

C. Cowles & Co's  
PRICE LIST  
— OF —

CARRIAGE HARDWARE ETC.

NEW HAVEN, CONN.

1886.

ESTABLISHED 1836.

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PRICE LIST  
OF  
CARRIAGE HARDWARE.

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C. COWLES & CO.,

R. P. COWLES, President.

T. T. WELLES, Treasurer.

F. L. COWLES, Secretary.

47 & 49 ORANGE STREET,

NEW HAVEN, CONN.

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FEBRUARY, 1886.

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CARRIAGE LAMPS.

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We ask our customers to notice particularly the following remarks:

All Lamps made to burn have a *patent fastened head*, which is so constructed that it *cannot melt apart*, an advantage which will be appreciated by those who want Lamps for use as well as ornament.

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## IN ORDERING,

Customers will please be particular to state whether they want Gold or Silver Mounted Lamps, and bear in mind that, as a rule, *we do not keep in stock Lamps with Gold or Silver Stems*, but make them to order.

With very few exceptions, and these noted in Catalogue, we aim to keep in stock a full line of Lamps with Japanned Stems.

All Lamps in Catalogue, except No. 6 and No. 8 Lamps, are made with the Hook Prop. All exceptions to this are stated in this Catalogue.

No. 6 and No. 8 Lamps are made with the Patent Finger Prop. With these Lamps we furnish Irons.

## FRENCH OBLONG.

**Patent Finger Prop.**

The above lamp is made of the finest six-quality metal throughout. Bent side glass and French creased linings, giving the lamp a very rich and novel appearance. Bright or black stems, candle or oil burners if desired.

No. 4.	Front Glass,	4½ x 5½ inches.	Per pair, \$16 00
" 5.	" "	4¼ x 5¼ "	" 18 50
" 6.	" "	5 x 6 "	" 20 50
" 7.	" "	5¼ x 6¼ "	" 22 00

A lamp suitable for coupes, broughams, landaus, etc.



## BREWSTER FLANGE.



Patent Finger Prop.

A very strong and handsome lamp of extra finish, with flange and bent side glass, for landaus, instead of grooves as shown in the cut.

No.	Glass,	4 1/4 x 5 1/4 inches,						Per pair, \$18 00
" 6.	"	4 1/4 x 5 1/2	"					20 00
" 7.	"	5 x 5 1/4	"					21 50
" 9.	"	5 1/2 x 6 1/4	"					24 50
" 10.	"	5 3/4 x 6 1/2	"					26 00

## T CART.



## Patent Finger Prop.

A very fine Lamp for T Carts, Victorias, Cabs, etc.

No. 5.	Diameter of front flange, 6 inches.	Square glass, $3\frac{1}{2}$ x 4 inches,		Per pair, \$16 00
No. 6.	Diameter of front flange, $6\frac{1}{4}$ inches.	Square glass, $3\frac{3}{4}$ x $4\frac{1}{2}$ inches,	"	17 00
No. 7.	Diameter of front flange, $6\frac{3}{4}$ inches.	Square glass $4\frac{1}{4}$ x $4\frac{3}{4}$ inches,	"	20 00
No. 8.	Diameter of front flange, 7 inches.	Square glass, $4\frac{1}{2}$ x $5\frac{1}{4}$ inches,	"	22 00

## NEW YORK FLANGE.



The above is made of the best quality of metal throughout having a carved flange, and is an elegant Lamp in every respect.

No. 2	Glass, $3\frac{1}{4}$ x $3\frac{1}{4}$ inches	Per pair, \$5 75
" 4.	" $3\frac{1}{2}$ x $4\frac{1}{4}$ "	" 7 00
" 6	" $4\frac{1}{4}$ x $4\frac{3}{4}$ "	" 11 00
" 8.	" $4\frac{3}{4}$ x $5\frac{1}{2}$ "	" 19 00

## EXTRAS

	No. 2	1	1	8
Gold or Silver Stems,	Per pair, \$1 20	1 50	2 25	3 00
Oil Burners, instead of candle,	" 30	30	65	75

## LANCASTER SPECIAL.



Round body, round French acid glass beveled and cut, candle burners, and corrugated lining, socket made to unscrew.

No. 4 Diameter of Flange, 6 inches, . . . . . Per pair, \$5.80

This lamp is suitable for surveys, village cars two wheelers, etc. A very showy lamp.

## EXTRAS.

Gold or Silver Stems, . . . . . Per pair, \$1.30

## LONDON.



Round-cornered head, fancy canopy with bright cap, beveled plate glass, silver top and bottom lining, candle burners.

No. 1	Glass	$3\frac{1}{8} \times 3\frac{1}{8}$ inches,	Per pair, \$	3 90
" 2.	"	$3\frac{1}{8} \times 3\frac{3}{8}$	"	4 30
" 3.	"	$3\frac{1}{8} \times 4$	"	4 75
" 4.	"	$3\frac{1}{8} \times 4\frac{1}{8}$	"	5 25
" 6.	"	$4\frac{1}{8} \times 4\frac{3}{8}$	"	8 50
" 8	"	$4\frac{1}{8} \times 5\frac{1}{8}$	"	10 00

## EXTRAS

	No. 1	2	3	4	6	8
Gold or silver stems, per pair	\$ 95	1 05	1 20	1 35	2 50	3 00
Oil Burners, instead of candle,	30	30	40	50	65	75

## LONDON FLANGE.



The London Lamp, with a strong, round-cornered flange, made of one piece of metal without joints.

No. 1.	Glass	3 $\frac{1}{8}$ x 3 $\frac{1}{2}$ inches.	Per pair, \$	4 40
" 2	"	3 $\frac{1}{4}$ x 3 $\frac{1}{2}$ "	"	4 80
" 3	"	3 $\frac{1}{2}$ x 4 "	"	5 30
" 4.	"	3 $\frac{3}{4}$ x 4 $\frac{1}{4}$ "	"	5 75

## EXTRAS

	No. 1	2	3	4
Gold or Silver Stems,	Per pair, \$ 95	1 05	1 20	1 35
Oil Burners, instead of candle,	" 30	30	40	50



## CHICAGO.



Octagon lower head, square top head with fancy cap, beveled plate glass, silver full top and bottom lining, candle burners.

No.	1.	Glass.	3 1/2 x 3 1/2 inches.							Per pair, \$	5 00
"	2.	"	3 1/2 x 3 1/2	"						"	5 50
"	3.	"	3 1/2 x 4	"						"	6 00
"	4.	"	3 1/2 x 4 1/2	"						"	6 75
"	6.	"	4 1/2 x 4 1/2	"						"	10 50
"	8.	"	4 1/2 x 5 1/2	"						"	12 25

## EXTRAS.

	No.	1	2	3	4	6	8
Gold or Silver Stems, per pair,	\$1	20	1 30	1 45	1 60	2 75	3 50
Oil Burners, instead of candle,		30	30	40	50	65	75



## COLUMBUS.



Octagon lower head, round top head, beveled plate glass with oval top and bottom, candle burner.

No. 1.	Glass, $3\frac{1}{2} \times 3\frac{1}{2}$ inches,	.	.	.	.	.	Per pair, \$3 85
" 2.	" $3\frac{1}{2} \times 3\frac{1}{2}$ "	"	.	.	.	.	" 4 35
" 3.	" $3\frac{1}{2} \times 4$ "	"	.	.	.	.	" 4 75
" 4.	" $3\frac{1}{2} \times 4\frac{1}{2}$ "	"	.	.	.	.	" 5 40

## EXTRAS.

		No 1	2	3	4
Gold or Silver Stems,	Per pair, \$	90	1 05	1 20	1 35
Oil Burners, in place of candle,	"	30	30	40	50

## FRENCH CYLINDER.



Round deep body and flange, round-cornered head with canopy and bright cap, ruby side glass, corrugated linings, candle burners. Socket made to fit screw.

No. 2    Diameter of flange 5 inches,    .    .    .    Per pair, \$5.40

N. B. We keep in stock only *silver mounted and lined* Lamps of this style

## EXTRAS

Silver Stems,

Per pair, \$1.36

## ST LOUIS.



Round lower head, corrugated top, beveled plate glass, Silver lining, candle burners, except in No. 0.

No. 0.	Glass, $2\frac{3}{8} \times 3\frac{1}{4}$ inches,	Per pair, \$3 20
" 1.	" $3\frac{1}{8} \times 3\frac{1}{2}$ "	" 3 60
" 2.	" $3 \times 3\frac{1}{4}$ "	" 4 20
" 3.	" $3\frac{1}{2} \times 4$ "	" 4 50
" 4.	" $3 \frac{1}{2} \times 4\frac{1}{4}$ "	" 5 00.

## EXTRAS

	No. 0	1	2	3	4	5	6
Gold or Silver Stems, per pair,	\$ 75	85	1 00	1 15	1 30	2 00	2 50
Oil Burners, in place of candle,		30	30	40	50	65	75

The above Lamp is very strong, and for a low priced Lamp has no equal. Made and finished well in every respect.

## VILLAGE CART.



Square body with round flange, round-cornered head with fancy canopy and bright cap, side glass beveled and grooved, candle burners.

No. 1	Side Glass	$3\frac{1}{8} \times 3\frac{1}{2}$	Diameter of Flange	$4\frac{1}{2}$ inches.	Per pair, \$	4.00
2	"	"	$3\frac{1}{4} \times 3\frac{1}{4}$	"	"	4.35
3	"	"	$3\frac{1}{4} \times 4$	"	"	4.75

Nos. 1 and 2 are made with common prop on back or side. When ordering, please state which is wanted.

No. 3 is made with patent prop on side.

Particularly designed for two-wheelers. Made very strong.

## EXTRAS

	No. 1	2	3
Gold or Silver Stems	Per pair, \$ 90	1 05	1 20
Oil Burners, in place of candle	" 30	30	40

# PHILADELPHIA FLANGE.



A suitable Lamp for Canopy Phaetons, Surreys, &c., where a moderate-priced Lamp is desired.

Square heads, beveled plate glass, heavy round flange, straight stem with bright bead and tip, candle burners, except in No. 0, which has imitation burners.

No. 0.	Glass	2½ x 3¼ inches,			Per pair, \$3 20
" 1.	"	3½ x 3¼	"	"	3 75
" 2.	"	3¾ x 3¾	"	"	4 20

## EXTRAS

	No. 0	1	2
Gold or Silver Stems,	Per pair, 75	85	\$1 00
Oil Burners in place of candle,	"	30	30



## BERLIN.



A new design, and made strong. We offer this as the BEST low priced Lamp we ever made. Beveled plate glass, candle burners, in all sizes.

No. o.	Glass, $2\frac{3}{4} \times 3\frac{1}{4}$ inches,	Per pair, \$	50
1.	" $3\frac{1}{2} \times 3\frac{1}{2}$ "	"	3 00
" 2	" $3\frac{1}{4} \times 3\frac{1}{4}$ "	"	3 50

## EXTRAS.

	No. o.	1	2
Gold or Silver Stems, per pair,	75	85	1 00
Oil Burners in place of candle,		30	30

## STREETER STANDARD.



Keys, one staple body, square head with bright cut beveled glass taper stem with bright collar and 1 pair of burners in No. 1, candle burners in No. 2

No. 1.	Glass, $2\frac{1}{2} \times 3 \times 3\frac{1}{4}$ inches,	Per pair, \$3 20
" 2.	" $2\frac{1}{4} \times 3\frac{1}{2} \times 3\frac{1}{4}$ "	" 4 20

## EXTRAS

	No. 1	2
Gold or Silver Stems,	Per pair, \$	80 1 05
Oil Burners, in place of candle	"	30

## STREETER TRADE.

No. 1.	Glass, $2\frac{1}{4} \times 3 \times 3\frac{1}{4}$ inches,	Per pair \$1 80
Add for bright stems,	"	50

Similar to above in shape and general appearance, but has flat glass with star and does not have bright collar on stem



## EXCELSIOR TRADE.



The above pattern is made strong and intended for phaetons, &c, where a low-priced Lamp is wanted

No. 0	Glass, $2\frac{3}{4} \times 3\frac{1}{4}$ inches,				Per pair, \$1 50
" 1.	" $3\frac{1}{2} \times 3\frac{1}{2}$				" 2 00
" 2	" $3\frac{3}{4} \times 3\frac{3}{4}$	"			" 2 35

No. 0 has imitation burners.

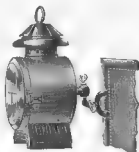
Nos. 1 and 2 have candle burners

N. B. Silver or oreide mounted, but *all are made with oreide linings*

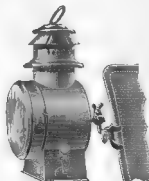
## EXTRAS

		No. 0	2
Bright Stems,		Per pair 45	55
Oil Burners in place of candle		"	30
			35

# DASH LAMPS.



No. 2.



No. 3.

No. 2	Glass, 4 1/4.	Each, \$1 00
3	" 1 1/2.	5 20

These Lamps are superior to any in the market, for the reason that they can be fixed to either side or top of the dash, and adjusted to throw the light in any direction and when not wanted for carriage use, may be easily disconnected, and will be found to be an excellent and convenient lamp for use about barn, stable or elsewhere.

No. 3 is provided with burners for either lamp oil or kerosene, and the kerosene burner has a long ratchet, so that the light may be regulated from the outside, which is a great advantage for outdoor use.

The No. 2 Lamp is made for lamp oil only.

# LAMP CANDLES.

5 x 1 1/2	\$1 20 per dozen
5 x 1 1/8	1 00 "
3 x 1 1/2	85 "
3 x 1 1/8	75 "

Same discount as on Lamps

## MALLEABLE LAMP PROPS.



These Props are made of Malleable Iron, and are designed more particularly for the cheap Lamps. They are made to fit the Prop on the Lamp, and also the arm of a phaeton, making a very neat finish. Per pair, \$ .20.  
Same discount as on Lamps

## WROUGHT LAMP PROPS.



These Props are made of Wrought Iron, with a small or square head screw and are designed to slip over the stem of the Lamp.

No. 3. Diameter,  $1\frac{3}{8}$  inches,

Per pair, \$1.80

Same discount as on Lamps

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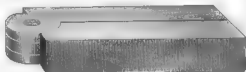
CARRIAGE HARDWARE.

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*We call attention to specialties of our  
manufacture:*

Brewster's Curtain Fasteners,  
Elm City Japan Nuts,  
Lining and Saddle Nails,  
Tufting Buttons,  
Saddle Reeds,  
Carriage Knobs,  
Coach Door Handles,  
Gates' Lever Locks,  
Axle Clips  
Clip Yokes,  
Norway Carriage Bolts  
Fancy Head Bolts,  
Swede's Tacks,  
Felloe Plates,  
Corner Irons,  
Shaft Tips,  
Etc., Etc., Etc.

## STUMP JOINTS.



## No. 1.

FULL MILLED—LAWMOOR IRON.

	Per doz.		Per doz.
$\frac{1}{2}$ x $\frac{3}{4}$ inch	\$2 10	$\frac{1}{2}$ x $\frac{3}{4}$ inch	\$4 50
$\frac{1}{2}$ x 1 1/4 "	2 10	$\frac{1}{2}$ x $\frac{7}{8}$ "	5 00
$\frac{1}{2}$ x 1 1/2 "	2 10	$\frac{1}{2}$ x 1 "	5 00
$\frac{3}{4}$ x $\frac{3}{4}$ "	2 35	$\frac{3}{4}$ x $\frac{3}{4}$ "	5 00
$\frac{3}{4}$ x 1 1/4 "	2 35	$\frac{3}{4}$ x 1 "	7 50
$\frac{3}{4}$ x 1 1/2 "	2 35	$\frac{3}{4}$ x 1 1/2 "	6 50
1 x 1 1/4 "	2 35	1 x 1 1/2 "	7 50
1 x 1 1/2 "	2 60	1 x 1 1/2 "	10 00
1 x 1 3/4 "	2 60	1 x 1 3/4 "	12 00
1 x 2 "	2 60	1 1/2 x 1 1/2 "	4 00
1 1/2 x 1 1/2 "	2 60	1 1/2 x 1 1/2 "	16 00

## No. 2.

HALF MILLED—LAWMOOR IRON.

	Per doz.		Per doz.
$\frac{1}{2}$ x $\frac{1}{2}$ inch	\$ 95	$\frac{1}{2}$ x $\frac{1}{2}$ inch	\$2 00
$\frac{1}{2}$ x 1 "	1 65	$\frac{1}{2}$ x 1 "	3 38
$\frac{1}{2}$ x 1 1/4 "	1 75	$\frac{1}{2}$ x 1 1/4 "	3 87
$\frac{1}{2}$ x 1 1/2 "	1 75	$\frac{1}{2}$ x 1 1/2 "	6 25
$\frac{1}{2}$ x 1 3/4 "	1 75	$\frac{1}{2}$ x 1 3/4 "	6 00
$\frac{1}{2}$ x 2 "	1 87	$\frac{1}{2}$ x 2 "	6 50

## No. 3.

HALF MILLED—B. B. IRON.

	Per doz.		Per doz.
$\frac{1}{2}$ x $\frac{1}{2}$ inch	\$1 55	$\frac{1}{2}$ x $\frac{1}{2}$ inch	\$2 00
$\frac{1}{2}$ x 1 "	1 65	$\frac{1}{2}$ x 1 "	3 38
$\frac{1}{2}$ x 1 1/4 "	1 75	$\frac{1}{2}$ x 1 1/4 "	3 87
$\frac{1}{2}$ x 1 1/2 "	1 75	$\frac{1}{2}$ x 1 1/2 "	6 25
$\frac{1}{2}$ x 1 3/4 "	1 75	$\frac{1}{2}$ x 1 3/4 "	6 00
$\frac{1}{2}$ x 2 "	1 87	$\frac{1}{2}$ x 2 "	6 50

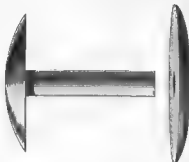
# COACH STUMP JOINTS

With Rivet and Washer.



SLIT MILLED	NO. 1. LOWMOOR IRON	HALF MILLED	NO. 2. LOWMOOR IRON
1 x 4	per doz., \$6 50	1 x 4	per doz., \$6 00
1 x 6	" 7 50	1 x 6	" 6 50
1 x 8	" 10 00	1 x 8	" 7 50
1 x 10	" 12 00	1 x 10	" 8 50

## Coach Joint Rivet and Washer.



Rivet and Washers. . . . . per doz., \$1 00

Forged from high grade Norway stock and accurately fitted to joints above.

## ELM CITY SWEDGED JOINTS.



Made in the below sizes only and milled after the parts are put together, making a fine finished article

1 x 1/2	per doz., \$1 55	9-16 x 9-16.	per doz., \$1 75
9-16 x 1/2	" 1 65	1/2 x 1/2.	" 1 87

## Long Joint Ends—Oval and Round.



$\frac{1}{2}$ x $\frac{1}{2}$ Oval Iron. . . . .	Per set, \$0 56
$\frac{1}{2}$ x $\frac{1}{2}$ " . . . . .	" 0 60
$\frac{3}{4}$ x $\frac{3}{4}$ " . . . . .	" 0 76
$\frac{1}{2}$ Inch Round Iron. . . . .	" 0 56
$\frac{1}{2}$ " " . . . . .	" 0 60



## SHORT JOINT ENDS.

EIGHT PIECES TO SET.

N 1 $\frac{1}{2}$ x $\frac{1}{2}$ Oval Iron . . . . .	Per set, \$0 56
" 2 $\frac{3}{4}$ x $\frac{3}{4}$ " . . . . .	" 0 60
" 3. $\frac{1}{2}$ x $\frac{1}{2}$ " . . . . .	" 0 76
" 4. $\frac{1}{2}$ " . . . . .	" 1 00
" 5. 1 " . . . . .	" 1 25

## PLATER'S STUMP JOINTS.

Each joint is about 12 inches long with either Round or Oval iron.

	WITHOUT PLATE.	CLOSE PLATE.
$\frac{1}{2}$ inch . . . . .	Per doz., \$3 00	\$5 00
9-16 " . . . . .	" 3 50	5 50
$\frac{3}{8}$ " . . . . .	" 4 00	6 00

## TAPPED MACHINE FORGED NUTS.

Put up in 5 lb. boxes.



3-16	1-4	5-16	3-8	7-16	1-2
40	50	20	18	15	14 per pound

## HAND MADE NORWAY NUTS, Blank.

1-4	5-16	3-8	7-16	1-2
.45	.40	.38	.35	.30 per pound.

Special sizes made to order



## FORGED CLIP YOKES.



BEVELLED CORNERS.

$\frac{3}{8}$ , 1,  $1\frac{1}{2}$ ,  $1\frac{1}{2}$ ,  $1\frac{3}{4}$ ,  $1\frac{7}{8}$  inch, with 5-16 or  $\frac{1}{2}$  hole. Price 10 cents per pound.  
Put up in boxes of 10 lbs. each

These Yokes are made under mach very recently completed, and we are now able to furnish a smoother and truer Yoke than heretofore offered. The holes are accurately punched, and do not show any burr on top.

In bulk, 200 lbs. of one size in keg, 9 cents per lb. A convenient way for large consumers.

## Wrought Iron or Steel Felloe Plates.



FELLOE PLATE PATTERN

Plates for $\frac{1}{2}$ inch Rims.....		10 cents per pound
" 1	"	" "
" $1\frac{1}{2}$	"	" "
" $1\frac{1}{2}$	"	" "
" $1\frac{3}{4}$	"	" "
" $1\frac{1}{2}$	"	" "
" $1\frac{1}{2}$	"	" "
" $1\frac{1}{2}$	"	" "
" $1\frac{1}{2}$	"	" "
" 2	"	" "

These Plates are put up in paper boxes holding 10 pounds each.

## NORWAY IRON CARRIAGE BOLTS.



We manufacture all kinds of Norway Bolts, and make a specialty of Fancy Heads, in all sizes. Nothing but Norway Iron of the highest grade used.

## Carriage Bolts—Price List per 100.

1-8, 3-16 and 1-4 DIA.	5-16 DIA.	3-8 DIA.	7-16 DIA.	1-2 DIA.
1 Inch, \$3 00	1 1/2 Inch, \$4 00	2 Inch, \$5 00	2 1/2 Inch, \$7 40	2 1/2 Inch, \$9 00
1 1/2 .... 3 20	1 3/4 .... 4 00	2 1/4 .... 5 20	2 3/4 .... 7 60	2 3/4 .... 9 50
1 3/4 .... 3 20	2 .... 4 10	2 1/2 .... 5 40	3 .... 7 80	3 .... 10 00
2 .... 3 30	2 1/4 .... 4 20	2 3/4 .... 5 60	3 1/4 .... 8 00	3 1/4 .... 10 50
2 1/4 .... 3 40	2 1/2 .... 4 40	3 .... 5 80	3 1/2 .... 8 20	4 .... 11 00
2 1/2 .... 3 50	2 3/4 .... 4 50	3 1/4 .... 6 00	3 3/4 .... 8 60	4 1/4 .... 11 50
2 3/4 .... 3 60	3 .... 4 70	3 1/2 .... 6 20	4 .... 9 00	5 .... 12 00
3 .... 3 70	3 1/4 .... 4 90	3 3/4 .... 6 40	4 1/4 .... 9 40	5 1/4 .... 12 50
3 1/4 .... 3 80	3 1/2 .... 5 00	4 .... 6 60	5 .... 9 80	6 .... 13 00
3 1/2 .... 3 90	3 3/4 .... 5 20	4 1/4 .... 7 00	5 1/4 .... 10 20	6 1/4 .... 13 50
3 3/4 .... 4 00	4 .... 5 30	5 .... 7 40	6 .... 10 60	7 .... 14 00
4 .... 4 10	4 1/4 .... 5 70	5 1/4 .... 7 80	6 1/4 .... 11 00	7 1/4 .... 14 50
4 1/4 .... 4 20	5 .... 6 00	6 .... 8 20	7 .... 11 40	8 .... 15 00
4 1/2 .... 4 30	5 1/4 .... 6 30	6 1/4 .... 8 60	7 1/4 .... 11 50	8 1/4 .... 15 50
4 3/4 .... 4 40	6 .... 6 60	7 .... 9 00	8 .... 12 20	9 .... 16 00
5 .... 4 50	6 1/4 .... 7 00	7 1/4 .... 9 40	8 1/4 .... 12 60	9 1/4 .... 16 50
5 1/4 .... 5 10	7 .... 7 30	8 .... 9 80	9 .... 13 00	10 .... 17 00
6 .... 5 40	7 1/4 .... 7 60	8 1/4 .... 10 20	9 1/4 .... 13 40	10 1/4 .... 17 50
6 1/4 .... 5 70	8 .... 7 90	9 .... 10 60	10 .... 13 80	11 .... 18 00
7 .... 6 00	8 1/4 .... 8 20	9 1/4 .... 11 00	11 .... 14 20	12 .... 19 00
7 1/4 .... 6 30	9 .... 8 50	10 .... 11 40	12 .... 14 60	13 .... 20 00

## Sleigh Shoe, and Pointed Tire Bolts—Per 100.

3-16 DIA.	1-4 DIA.	5-16 DIA.	3-8 DIA.	
1 Inch, \$1 50	1 1/2 Inch, \$1 30	1 1/2 Inch, \$2 70	2 Inch, \$3 00	
1 1/2 .. 1 50	1 3/4 .... 2 00	1 3/4 .. 2 85	2 1/2 .. 3 20	
1 3/4 .. 1 50	2 .... 2 15	2 .... 3 05	2 3/4 .. 3 40	
2 .... 1 50	2 1/4 .... 2 25	2 1/4 .... 3 20	2 3/4 .... 3 60	
2 1/4 .. 1 60	2 1/2 .... 2 40	2 1/2 .... 3 35	3 .... 3 80	
2 1/2 .. 1 65	2 3/4 .... 2 50	2 3/4 .. 3 50	3 1/4 .... 4 00	
2 3/4 .. 1 75	3 .... 2 65	3 .... 3 65	3 1/2 .... 4 20	
3 .... 1 80	3 1/4 .... 2 75	3 1/4 .. 3 80	3 3/4 .... 4 40	
3 1/4 .. 1 90	3 1/2 .... 2 90	3 1/2 .... 3 95	4 .... 4 60	
3 1/2 ... 2 00	3 3/4 .... 3 00	3 3/4 ... 4 10	4 1/4 .... 4 80	
3 3/4 .. 2 05	4 .... 3 15	4 .... 4 25	4 1/2 .... 5 00	
	4 1/4 .... 3 25	4 1/4 ... 4 40	4 3/4 .... 5 20	

1/2 TIRE.  
\$1 50 per 100

## BOLTS.



Improved T Head



Elliptic Head



Cone Head



Steeple Head



Step.

The Cone, Elliptic, Steeple, Improved T Head and Step Bolts are the  
Lowest Price of Carriage Bolts.



## Cowles' Improved Whiffletree Bolts.



5-16 inch diameter, all lengths...	per doz., \$2 00
3-8 " " " " " " " " " " " "	2 00

These Bolts are made of Norway Iron and are finished in the best manner. The spur at the end keeps the bolt from turning, and also prevents the hair of the horse's tail from being caught under it.

## MILLED SHACKLE BOLTS.

50 in a Box.



5-16, 3-8, 7-16, all lengths, Norway Iron	per 100, \$5 00
5-16, 3-8, 7-16, " " Refined Iron	4 50

For an unmilled Shackle Bolt like above, use the Carriage Bolt list, with special discount, as on discount sheet.

# COWLES' BUGGY SADDLE CLIPS.

Top Plate.



LENGTHS GIVEN ARE FOR THE FLAT PART OF THE SIDES.

For $1\frac{1}{2}$ inch Springs.		Height Per doz. sets.
No. 00, 2 inches long, with Top Plates .....		\$3 00
No. 0, $2\frac{1}{2}$ " " .....		2 00
No. 1, $2\frac{1}{2}$ " " .....		2 00
No. 2, $3\frac{1}{2}$ " " .....		2 00
No. 3, 3 " " .....		2 00

For $1\frac{1}{2}$ and $1\frac{3}{4}$ inch Springs.		
No. 1, 3 inches long, with Top Plates .....		\$2 00
No. 2, $3\frac{1}{2}$ " " .....		2 00
No. 3, 4 " " .....		2 00

These Saddle Clips are polished ready for painting, and all the corners are worked out to sharp, well-defined angles.

Black Saddle Clips are polished on the top only See discount sheet.

We can make any length to order, but carry the above sizes in stock.

## Brewster Improved Solid Saddle Clips.



This is a new pattern, with Rounded Edge, Top Plate, and smoothly finished

For  $1\frac{1}{2}$   $1\frac{1}{2}$  and  $1\frac{1}{2}$  Springs, all lengths . . . . . Per doz., \$6.00

## DOUBLE PERCH SADDLE CLIPS.

Made in Two Parts.



$1\frac{1}{2}$  wide.

$1\frac{1}{2}$  "

$1\frac{1}{2}$  "



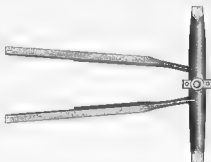
Of any length required . . . . . Per doz., \$2.00

This Clip answers every purpose of the Brewster Saddle Clip, is as strong and well finished, and very much cheaper

The measurement of Flat parts is after the Plate is inserted Please bear this in mind when ordering

# BREWSTER DROP PERCH IRON.

(Recently introduced by J. H. Brewster & Co., New York City.)



FOR DOUBLE RAIL

1½ Spring, No. 1 King Bolt.....	Per doz. \$12 50
1½ " No. 2 " .....	" 12 50

The arms are oval,  $\frac{1}{2} \times \frac{3}{4}$ , being lighter in center, thus avoiding a rigid joint at the plate, and preventing the arms from breaking. Made in a superior finish, and adopted in New York City by the line makers.

# SHIFTING RAIL.

(Brewster Pattern.)



We call your attention to a light Shifting Rail that we are manufacturing for the trade, as being the lightest rail offered. We make them for 3-8 or 7-16 joint ends.

The Bottom Rails full, 5-16 x 1-2 oval. The side and back arms are 3-8 at rail and tapers to 5-16, making them strong at the connection to the rail. No welds at angles or corners. This Rail has found favor in New York City and other places where a fine light Rail is wanted.

Price, without Seat Irons ..... Per set, \$2 50



## SHORT SPRING CLIPS.

New Design.



PATENT APPLIED FOR.

3	Leaf	$1\frac{1}{2}$	Spring.	Shank	5-16	.	.	.	..Per doz, \$1 75
4	"	$1\frac{1}{2}$	"	"	5-16.	.	..		1 75
4	"	$1\frac{1}{2}$	"	"	3/8	.	.		2 00

Two Dozen in a Box.

New pattern with flanged sides, light in appearance, and can be used with the Coach Axle Clip.

## SHORT SPRING CLIPS.



5-16 SHANK

We make this Clip for  $1\frac{1}{2}$ ,  $1\frac{3}{8}$  and  $1\frac{1}{2}$  inch spring. Any length of Flat part desired. Made only from best Norway stock, and Nuts will fit it.

Price per dozen .....\$1 50

Two Dozen in a Box

### BODY CORNER IRONS.

Made under special machinery.

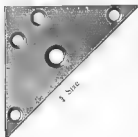
All screw holes are made to fit, and avoid putting over the heads, and all irons are true in width and thickness. They are a first-class article in every way, and are put up in boxes of one dozen sets, or 50 dozen sets in a case.

Long and Short.	Per doz. sets
1-4, 5-16, 3-8 inches.....	\$1 00
7-16                    " .....	1 10
1-2                     " .....	1 20

We make Corner Irons any width and length desired under 13½ x 26, also straight strips.

1-4, 5-16, 3-8 widths, per foot. . . . .	.02½
7-16 and 1-2        "                  "        . . . . .	.03

Wrought Iron Body Bottom Corner Irons.



A very desirable article to prevent the bottom corners of boxes from opening

Per box	.50
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48 in a box

# COWLES' SPRING BAR CLIPS.

Norway Iron.



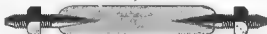
This Clip is intended to fasten the Bar on to the Spring.

Size of Shank 5-16.

Size of Shank 5-6.		Per doz.
No	0, $\frac{1}{8}$ wide, flat part $4\frac{1}{2}$ inches long . . . . .	\$1.00
"	1, $\frac{3}{8}$ " " 4 $\frac{1}{2}$ "	

# COWLES' EXTRA AXLE CLIPS.

Norway Iron.



CLIPS FOR LIGHT TROTTER WAGONS.

Size of Shank, 1-4.

Size of Shank, 1-4.		Per doz.
No.	0, $\frac{1}{8}$ wide, flat part, $1\frac{1}{2}$ inches long.	80
" 0,	$\frac{1}{8}$ " 2 "	

CLIPS FOR HEAVY WAGONS.

Size of Shank, 5-16.

		Size of Shank, 5-16,		Per doz.
No.	00, $\frac{1}{8}$ wide, flat part $2\frac{1}{2}$ inches long			\$
"	0, $\frac{1}{8}$ "	2 $\frac{1}{2}$ "		80
"	1, $\frac{3}{8}$ "	3 $\frac{1}{2}$ "		80
"	2, $\frac{1}{2}$ "	3 $\frac{1}{2}$ "		85
"	3, $\frac{3}{4}$ "	4 $\frac{1}{2}$ "		90
"	4, $\frac{7}{8}$ "	4 $\frac{1}{2}$ "		1 00
"	5, $\frac{1}{2}$ "	5 $\frac{1}{2}$ "		1 15
"	6, $\frac{3}{4}$ "	5 "		1 35

CLIPS FOR HEAVY WAGONS AND ROCKAWAYS.

Size of Shank 3 8.

Size of Shank 3/8.		Per doz
No	0, 1 1/2 wide flat part, 4 inches long.....	\$1 00
" 1	1 1/2 " " 4 1/2 " " " " " " " " " "	1 00
" 2	1 1/2 " " " 5 " " " " " " " " " "	1 15
" 3	1 1/2 " " " 5 1/2 " " " " " " " " " "	1 25
" 4	1 1/2 " " " 6 " " " " " " " " " "	1 40
" 5	1 1/2 " " " 6 1/2 " " " " " " " " " "	1 75
" 6	1 1/2 " " " 7 1/2 " " " " " " " " " "	2 25
" 7	1 1/2 " " " 7 1/2 " " " " " " " " " "	2 40

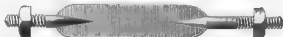
## NORWAY SLEIGH CLIPS.

No. 1, Flat part  $2\frac{1}{2}$  inches, 3-16 shank ..

Per doz., \$1 00

## SIDE BAR CLIPS.

One Long Shank, 2 inches.



No. 2, Flat part $3\frac{1}{2}$ inches long, $\frac{1}{2}$ inches wide.....	Per doz.,	\$ 90
No. 3, " $4\frac{1}{2}$ " " $\frac{1}{2}$ " " .....	"	1 00

## TIMKEN AXLE CLIPS.

2 Long Shanks, each 2 1-4 in. long.

(NO. 65 AX. IRON.)



No. 00, $\frac{1}{2}$ wide, Flat part $2\frac{1}{2}$ inches long .....	Per doz.,	\$1 00
No. 0, " " $2\frac{1}{2}$ " " .....	"	1 00
No. 1, " " $3\frac{1}{2}$ " " .....	"	1 10
No. 2, " " $4\frac{1}{2}$ " " .....	"	1 20

We also make Clips, both Ends long, 2 inches.

## "85" PATTERN AXLE CLIPS.



SIZE OF SHANK, 5-16.

No. 00, $\frac{1}{2}$ wide, Flat part $2\frac{1}{2}$ inches long .....	Per doz.,	\$ 80
No. 0, " " $2\frac{1}{2}$ " " .....	"	80
No. 1, " " $3\frac{1}{2}$ " " .....	"	85
No. 2, " " $4\frac{1}{2}$ " " .....	"	90
No. 3, " " $5\frac{1}{2}$ " " .....	"	1 00
No. 4, " " $6\frac{1}{2}$ " " .....	"	1 15
No. 5, " " $7\frac{1}{2}$ " " .....	"	1 35
No. 6, " " $8\frac{1}{2}$ " " .....	"	1 35

Made from the same stock as our Full Round and Norway Clips, and carefully fitted. We recommend this pattern to those wanting a perfect Clip at a less price.

# SUPERIOR AXLE CLIPS.

Refined Iron.



5-16 SHANK

No.	oo.	Flat part	2 inches long..	.....	Per doz., \$	70
No. 0.	"	2½	"	.....	"	70
No. 1.	"	3	"	.....	"	70
No. 2.	"	3½	"	.....	"	75
No. 3.	"	4	"	.....	"	80
No. 4.	"	4½	"	.....	"	95
No. 5.	"	5	"	.....	"	1 10
No. 6.	"	6	"	.....	"	1 25

3-8 SHANK

No.	oo.	Flat part	4 inches long ..	.....	Per doz.	\$1 00
No. 1.	"	4½	"	.....	"	1 15
No. 2.	"	5	"	.....	"	1 30
No. 3.	"	5½	"	.....	"	1 45
No. 4.	"	6	"	.....	"	1 60
No. 5.	"	6½	"	.....	"	1 75
No. 6.	"	7	"	.....	"	2 00
No. 7.	"	7½	"	.....	"	2 25

# SUPERIOR SPRING BAR CLIPS.

Refined Iron.



No.	oo.	wide.	Flat part	4 inches long....	.....	Per doz., \$	80
No. 1.	oo.	"	4½	"	.....	"	1 00
No. 2.	oo.	"	5½	"	.....	"	1 10
No. 3.	oo.	"	5½	"	.....	"	1 30
No. 4.	oo.	"	6½	"	.....	"	1 60
No. 5.	oo.	"	7½	"	.....	"	1 80
No. 6.	oo.	"	8	"	.....	"	2 00

## SAUNDERS' Carriage Shaft and Pole Couplings.



This Coupling is made of Norway Iron only, and is so made that the hinged part when attached to the shafts, is easily changed to a pole as desired. The bolt is riveted on one Ear, being formed to fill a square hole punched in the Ear, making it impossible for the bolt to turn or get loose.

	Per pair	
	Shaft.	Pole
No. 0, Light work .....	\$1 50	\$1 10
No. 1, Medium .....	1 50	1 10
No. 2 Heavy .....	1 70	1 10

### WITH SPOOL RUBBERS

	Per pair	
No. 0, Light work .....	\$2 00	\$1 50
No. 1, Medium .....	2 00	1 50
No. 2, Heavy .....	2 25	1 50

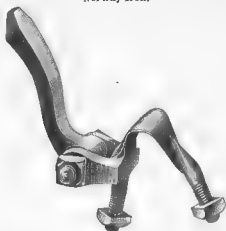
## SPOOL RUBBERS.



No. 0, Per doz pairs .....	\$1 25
No. 1, " " " .....	1 35
No. 2, " " " .....	1 50

# Shaft Couplings—Finished Pattern.

Norway Iron.



Size inch	Diameter of Bolt.	Price per doz. pairs
1	5-16 Bolt	\$13 25
1	light, 3-8 "	13 25
1	heavy, 7-16 "	13 75
1 1/4	7-16 "	14 50
1 1/2	7-16 "	16 50

## WILCOX'S SHAFT COUPLINGS.

Norway Iron.



		Price per doz. pairs	
		Black	Bright
1/2	inch, extra light	\$11 25	\$13 25
1	"	11 25	13 25
1	" heavy	11 75	13 75
1 1/4	"	12 50	14 50
1 1/2	"	14 50	16 50
1 3/4	"	16 00	18 00
2	"	17 00	19 00
2 1/2	" extra heavy	30 00	

## PATENT FRENCH COACH CLIP.



Patented October 15, 1867, and May 14, 1872.

FORGED SOLID FROM ONE PIECE NORWAY IRON.

No. 1, for 2 inch Springs	Per pair, \$5 00
No. 2, for 1½	" 4 00
No. 3, for 1¼	" 3 25
No. 4, for 1½	" 2 75

## AMERICAN COACH CLIP.



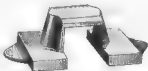
FORGED SOLID FROM ONE PIECE NORWAY IRON.

No. 2½, for 1½ inch Spring	Per pair, \$4 00
No. 3, for 1¼	" 3 25
No. 4, for 1½	" 2 75

Designed for use in place of French Coach Clip when parties prefer bolting them to the Spring without the use of short Spring Clip.

## COACH AXLE CLIP.

New Pattern.



No. 1, for 1½ inch Axle, 1½ or 2 inch Spring	Per set \$6 00
No. 2, for 1½ " 1½ or 1½ "	" 4 00
No. 3, for 1½ " 1½ or 1½ "	" 3 50
No. 4, for 1½ " 1½ or 1½ "	" 3 00
No. 5, for 1 " 1 or 1½ "	" 2 75

A set consists of four Clips



## Reversed Pattern Pole Eyes.



	Black	Mild
$\frac{7}{8}$ inch, per doz. pairs.....	\$5 00	\$6 00
1 " " " ".....	6 50	7 50
$1\frac{1}{8}$ " " " ".....	6 50	7 50
$1\frac{1}{2}$ " " " ".....	8 00	9 00
$1\frac{3}{4}$ " " " ".....	9 00	10 00

In ordering, state whether 3-8 or 7-16 inch hole is wanted.

This Pole Eye is made with the oval part of the shank joining the eye or pole head, across its diameter or at right angles with the hole, which gives the shank the right position to weld to the sweep bar iron, and makes the best finish.

## Finished Clip King Bolt Yokes and Braces.

Made from best Norway Iron.



Light Yokes and Braces.....	Per doz. \$2 50
Heavy " " " ".....	" " 3 10

Finished Yokes.  $1\frac{1}{2}$ ,  $1\frac{3}{4}$ ,  $1\frac{7}{8}$ ,  $1\frac{1}{2}$ ,  $1\frac{1}{4}$  between holes.

Packed 2 doz. in a box

In the above Yoke and Brace the Bolt and yoke in the eye is tapered, so that as the eye wears off at the top and is screwed up the taper holds it firm and prevents rattling.

## Clip King Bolt Yokes and Braces.



Light Plain Yokes, $2\frac{1}{2}$ inches long	...	Per doz., \$2 50
Heavy " " $2\frac{1}{2}$ " "	...	" 3 10

Put up in boxes of 2 doz. each.

The eye on the Brace and Bolt is milled to an accurate fit. To make one size answer for all axles the holes are not drilled, but left for the carriage maker to drill of such size and distance as required.

## CLIP KING BOLT YOKES.

Per doz . . . . .	\$1 50
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Put up in boxes of 2 doz. each.

These Yokes are forged from one solid piece of the best Norway Iron, with the bolt and collar of the same uniform and smooth finish that our Clip King Bolts have. The Bolt part, on which the perch brace turns, is  $\frac{1}{2}$  inch diameter. To make one size answer for all axles, the holes are not drilled, but left for the carriage maker to drill of such size and distance as are required.

## FINISHED KING BOLTS.



PLAIN PATTERN.

	Per doz
No 1, 1-2 inch at collar ..	\$2 50
" 2, 9-16 " ..	2 50
" 3, 5-8 " ..	3 50
" 4, 3-4 " ..	4 50

EXCELSIOR PATTERN.

No 1, 1-2 inch at collar ..	2 90
" 2, 9-16 " ..	2 90
" 3, 5-8 " ..	3 50
" 4, 3-4 " ..	4 50

## CONCEALED JOINT TOP BRACES, WITH HANDLES.



No. 1.

	Per doz pairs.
11, 12 and 13 inch ..	\$1 50
17 inch for three bow and extension tops ..	2 25

No. 2.

WITHOUT TRIMMINGS.

11, 12 and 13 inch ..	\$1 50
15½ inch ..	1 75
17 inch ..	1 90

## EAGLE SCREW CLAMPS.



Ball and Socket Swivel on end of screw

These Clamps are "Ribbed" on the sides and the strongest in the market

To open 2 inches	Per doz., \$:	90
" 2 1/2 "	"	2 60
" 3 "	"	3 00
" 4 "	"	4 20
" 5 "	"	5 00
" 6 "	"	6 50
" 7 "	"	7 80
" 8 "	"	9 00
" 10 "	"	11 00
" 12 "	"	13 50

## IRON WASHERS.



Washers for 1-8 Bolts.	Per lb., \$:	30
Washers for 3-16 "	"	0 24
Washers for 1-4 "	"	0 22
Washers for 5-16 "	"	0 20
Washers for 3-8 "	"	0 18
Washers for 7-16 "	"	0 16
Washers for 1-2 "	"	0 14

## Iron and Brass Coach Door Moulding.



Brass ...	Per lb., \$:	75
Iron ...	"	0 50

Does not bruise or dent

# BIDWELL'S PATENT SLAT IRONS.

(We are the sole Owners and Manufacturers.)

We confidently recommend this Slat Iron as being the strongest Slat Iron in use.

The superiority of this article is readily seen in the mode of construction. The Slats, made of the best Wrought Iron, are secured in a neat and substantial socket which is formed of two flanges of iron, between which the slats are firmly riveted, thereby preventing the breakage so common in other kinds. This iron unites strength, symmetry and lightness in a degree unequalled by any other kind in use.



Per doz. sets.		Per doz. sets.	
3 bow, Jap., long. . . . .	\$6 25	4 bow, Sil., extension. . . . .	\$24 00
3 " Sil, " . . . . .	13 50	4 " Gold, long. . . . .	21 00
4 " Jap., " . . . . .	7 12½	5 " Jap., " . . . . .	9 00
4 " Sil., " . . . . .	15 00	5 " Sil., " . . . . .	18 00
4 " Jap., short. . . . .	6 25	5 " Jap., short. . . . .	7 80
4 " Sil., " . . . . .	14 40	5 " Sil., " . . . . .	17 00
4 " Jap., long, (light). . . . .	7 12½	5 " Jap., extension. . . . .	16 00
4 " Sil., " . . . . .	15 00	5 " Sil., " . . . . .	26 00
4 " Jap., short, " . . . . .	6 25	6 " Jap., " . . . . .	19 50
4 " Sil., " . . . . .	14 40	6 " Sil., " . . . . .	30 00
4 " Jap., extension . . . . .	14 00		

Extra, for 2 long bows . . . . . Per doz. sets, \$1 00

## Cowles' Oval Forged Slat Irons.

### New York Pattern.

	Per doz sets
Three Bow, one long Bow	\$10 50
Three Bow, two "	12 00
Four Bow, one " . . .	10 50
Four Bow, two " . . .	12 00

We have no hesitation in saying that in point of finish, strength and symmetrical appearance, this style of Bow Iron is equal to any in the market.

They are made of the best quality of Norway Iron, with an oval face their entire length, and the holes are countersunk, ready for use.

They are designed to fit the outside of the Bow, without a pocket.

We would call attention to the fact that the edges of the iron are made thin, thereby saving the filing, which is found necessary on those of other manufacturers.

N B.—We have recently tapered and lightened the part of the Slat from A to B, making a neater finish when covered.

B

A

B

A

## EXTENSION SLAT IRONS.

These cuts represent the styles of our Extension Slat. We believe them to be the neatest and best Extension Slat made.

## List Price.

## NEW YORK PATTERN

	Per doz sets
4 Bow .	..\$15 50
5 Bow....	.. 20 00

## PHILADELPHIA PATTERN.

	Per doz sets
1 Bow ..	..\$15 00
5 Bow .	.... 16 50
6 Bow ...	..... 20 00

NEW YORK PATTERN

PHILADELPHIA PATTERN

# FORGED SLAT IRONS.

Philadelphia Pattern.



	Per doz sets
Three Bow, one Long Bow	..... \$6 50
Four " "	..... 7 50
Five " "	..... 9 50
Six " "	..... 11 50
Extra for two Long Bows	..... 1 00

Our Philadelphia Slat Irons are made of tough iron. The middle bow iron is made with a thick head, giving a wide bearing on the seat iron, which prevents it from wearing, and gives it greater strength. The lower portion of each bow iron is made oval, and they are so proportioned as to give a good finish without a pocket.



CINCINNATI FIFTH WHEELS.

Solid Clips of Norway Iron.



% 1

9-16 and 5-8 Iron, all diameters.		Per doz., \$11 00	
3-4	11	11	13 00
7-8	11	11	21 00
9	11	11	33 00

CINCINNATI FIFTH WHEELS.



No. 14

9-16 and 5-8 Iron, all diameters	Per doz	\$10 00
3-4	12 00	
7-8	20 00	

This Fifth Wheel is the cheapest made, being sold at a less price than No. 3.

To avoid delay when ordering, state number, outside diameter, size of iron, and width of axle.

## BREWSTER FIFTH WHEELS.



No. 11

5-8	Iron	12 and 14	inches diameter	7-8 and 1	inch axle	\$26 00
11-16	"	12 and 14	" "	7-8 and 1	"	26 00
3-4	"	12 and 14	" "	.....	.....	30 00

Above is for Double Straight Reach. Single Reach same price. Derby Top add \$4.00 per dozen extra. Our Brewster Wheels are full polished, regular distance from center to center of spot, 4 inches for 12 inches, 5 inches for 14 inches diameter.

## BREWSTER FIFTH WHEELS.



No. 12

With Bent Lugs for Double Reach.

5-8	Iron	12 and 14	inches diameter	7-8 and 1	inch axle	\$29 00
11-16	"	12 and 14	" "	7-8 and 1	"	29 00
3-4	"	12 and 14	" "	.....	.....	33 00

For Derby Top add \$4.00 per dozen extra.

## BREWSTER FIFTH WHEELS.



No. 12

The above shows the Improved Wheel with "Boss" Same price as Brewster Wheels on opposite page.

The 'Boss' answers the same purpose as the Derby Top, taking the strain off the bolts in the head block

We feel confident the trade will appreciate this improvement. When not specially ordered, the Regular Wheels will be sent.

## DERBY FIFTH WHEELS.

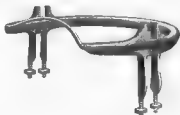
Solid Clips of Norway Iron.



No. 1.

9-16 and 5-8 Iron, all diameters .....	Per doz.,	\$14 50
3-4           "       "       " .....	"	16 50
7-8           "       "       " .....	"	28 00
1             "       "       " .....	"	40 00

## DERBY FIFTH WHEELS.



No. 2

9-16 and 5-8 Iron, all diameters.....	Per doz.,	\$14 00
3-4           "       "       " .....	"	16 00
7-8           "       "       " .....	"	27 00
1             "       "       " .....	"	38 00

These Wheels have flanges raised on the top section to support the head block. The Clips are forged from Solid Norway Iron and are extra finished and fitted.

N. B.—In ordering, please give name and number of wheel, with outside diameter size of iron and width of axle.

## FIFTH WHEELS.

No. 6. Derby Top for Double Perch.



11-16 inch Iron, 12 in diameter..... Per doz., \$14 00

## FIFTH WHEELS.

No. 6 1-2. Derby Top for Double Perch.



5-9 inch Iron, 12 in diameter

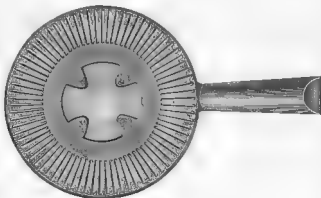
Per doz., \$16 24

3-4 " 12 " . . . . .

" 18 24

# WROUGHT IRON STEP PADS.

*New Haven Pattern.*



NORWAY IRON

Diameter, 5 inches.....Per doz. pairs, \$11 00

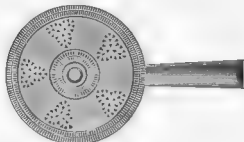
REFINED IRON

Diameter, 5 inches.. .... Per doz. pairs, \$10 00

A handsome design, and used on Phaetons, Goddards, Doctors Wagons, etc.

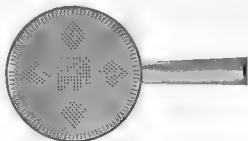
The sharp angles on the raised lines prevent the foot from slipping, and make a neat finish.

## BOSTON ROUND STEP PADS.



No. 1	4½ inches diameter	Norway Iron	Per doz. pairs, \$	4.40
No. 2	5 " "	" "	" "	11.00
No. 3	6 " "	" "	" "	18.80
No. 1	4½ " "	Refined "	" "	7.60
No. 2	5 " "	" "	" "	9.40

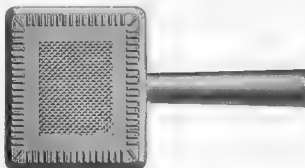
## DIAMOND ROUND STEP PADS.



No. 1	4½ inches diameter	Norway Iron	Per doz. pairs, \$	9.40
No. 2	5 " "	" "	" "	11.00
No. 1	4½ " "	Refined "	" "	7.60
No. 2	5 " "	" "	" "	9.40

# WROUGHT IRON STEP PADS.

## Hooker Pattern.



### NORWAY IRON

No. 1.	3 x 3½ inches	.....	Per dozen pairs, \$7 60
No. 2.	3½ x 4 "	.....	" " 8 20
No. 3.	4 x 4½ "	.....	" " 10 50

### REFINED IRON

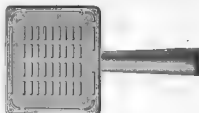
No. 1	3 x 3½ "	.....	Per dozen pairs, \$5 90
No. 2	3½ x 4 "	.....	" " 6 10
No. 3	4 x 4½ "	.....	" " 8 80

Each Step Pad is forged from one piece of iron. Shank heavy—will not bend or break.

The sharp diamond points in the center prevent the foot from slipping.



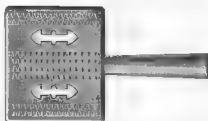
## PARK STEP PADS.



No. 1	3 x 3½ inches	Norway Iron ..	Per doz. pairs, \$7 60
No. 2	3½ x 4	" ..	8 20
No. 1.	3 x 3½	Refined " ..	5 30
No. 2.	3½ x 4	" ..	5 80

## BOSTON SQUARE STEP PADS.

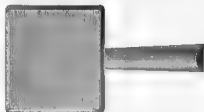
Open Pattern.



In ordering state whether you wish open or plain

No 1	3 x 3½ inches, Norway Iron..	Per doz. pairs, \$7 60
No. 2	3½ x 4 " "	8 20
No 1	3 x 3½ " Refined "	5 30
No. 2	3½ x 4 " "	5 80

## PLAIN STEP PADS.



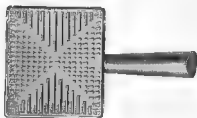
NORWAY IRON.

No 1	3 x 3 $\frac{1}{2}$ inches	Per dozen pairs, \$5 30
No 2	3 $\frac{1}{2}$ x 4 "	" " 5 80
No 3	4 x 4 $\frac{1}{2}$ "	" " 8 20
No 4	4 $\frac{1}{2}$ x 5 $\frac{1}{2}$ "	" " 10 50
No 5	5 x 6 "	" " 15 20

BLENDED IRON

No. 1	3 x 3 $\frac{1}{2}$ inches	Per dozen pairs, \$4 10
No 2	3 $\frac{1}{2}$ x 4 "	" " 4 70
No 3	4 x 4 $\frac{1}{2}$ "	" " 7 00

## DERBY STEP PADS.



NORWAY IRON

No. 1.	3 x 3 $\frac{1}{2}$ inches	Per dozen pairs, \$7 60
No. 2.	3 $\frac{1}{2}$ x 4 "	" " 8 20
No 3	4 x 4 $\frac{1}{2}$ "	" " 10 50
No. 4	4 $\frac{1}{2}$ x 5 $\frac{1}{2}$ "	" " 12 80
No 5.	5 x 6 "	" " 17 60

# BODY STEPS WITH BRACE.

Norway Iron.



SIX INCH DROP AND SEVEN INCH RISE IN

No. 1 Pad .....	Per pair, \$r 20
No. 2 Pad.....	" 1 30
For Surreys, with No. 3 Pad .....	" 1 80

# SIDE BAR STEPS.

Norway Iron.



No. 1 Pad ..	Per pair, \$r 20
No. 2 Pad...	" 1 30

## DOUBLE LIP BODY LOOP.



Patented May 18, 1863. Forged from the best Norway Iron

For 3 + 1/2 inch Spring Bar 1-4 inch hole				... Per doz., \$1 80
" 7-8	"	"	5-16	" 1 80
" 1	"	"	5-16	" 1 80
" 1 1-8	"	"	7-8	" 2 00
" 1 1-4	"	"	3-8	" 2 00

## SINGLE LIP BODY LOOP.



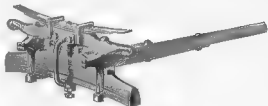
Forged from the best Norway Iron. Two dozen in a box.

For 7-8 inch Spring Bar, 1-4 or 5-16 hole				... Per doz., \$1 50
" 1	"	"	5-16 hole...	" 1 50
" 1 1-8	"	"	3-8	" 1 50

**"WILCOX" GEAR IRONS.****For Drop Perch.**

Per set

\$2 00



FRONT VIEW



REAR VIEW



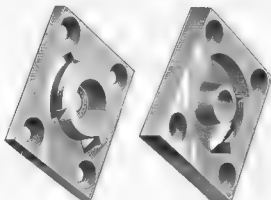
SHOWN IN PARIS.

(Any style of Reach Sockets or Rear Perch Irons can be used.)

In putting on these Irons a 1-4 inch hole needs to be drilled in Axle and reamed out on underside to fit conical point of Set Screw. Then by means of Set Screw and Set Nut the Irons can be kept snugly in place and all rattling effectually prevented. They are confidently recommended as superior to any Gear Irons heretofore offered.

## Patent Double-Lock Whiffletree Plates.

Square Pattern.



This cut shows the Plates apart.

Unsurpassed in neatness, durability and cheapness.

They are made of the best Refined Malleable Iron; all the holes are drilled, the edges are ground square and true, and the top and bottom surfaces milled parallel to each other to prevent canting the whiff-tree. For general appearance of the plates, see cuts.

Two sizes are made  $1\frac{1}{2}$  and  $1\frac{3}{4}$  inches in width, and each  $\frac{1}{2}$  inch thick. Being suitable for ordinary carriage whiff-trees and eveners of light poles.

These plates have been in use several years and have given perfect satisfaction. They are put up three dozen in a box and include small plates for under side of cross-bar.

No. 1, for Light Buggies, $1\frac{1}{2}$ inch wide	Per doz. sets
No. 2, for Heavier Carriages, $1\frac{3}{4}$ inch wide	... 2 00

## Brewster & Co's Patent Fellow Joint Bolts

With Steel Plates.



Designed for light work. A set consists of eight Bolts and Plates.

For  $\frac{3}{4}$ ,  $\frac{7}{8}$ , 1,  $1\frac{1}{2}$  Fellowes, per set.....\$0 75

Put up in boxes of six sets each

## Brewster & Co's Patent Whiffletree Plates

Made of Wrought Iron.



Fig. 1



Fig. 2

Fig. 1 represents a section of the plates parallel with the shaft.

Fig. 2 represents the plates locked together.

The top plate is screwed to the whiffletree, with hook projecting toward the carriage.

The bottom plate is screwed to the cross-bar, with the flange toward the carriage.

These plates are finished and fitted up in a superior manner, and put up in boxes of four dozen each.

	Per doz
No. 1, for Light Buggies.....	\$3 00
No. 2, for Heavier Carriages, .. .. .	3 50

## IMPROVED DERBY REACH PLATE.



For Single Reach.

(The above cut represents the underside) This is forged from a solid bar of best Norway Iron, and the ends are left long enough to answer for any diameter of Fifth-Wheel. The center hole is made to accurately fit King Bolt. In ordering, state size of Spring and number of King Bolt.

For $1\frac{1}{2}$ inch Spring and No. 1 King Bolt . . . . .	Per doz, \$7 50
For $1\frac{1}{2}$ " " No. 2 " . . . . .	" 7 50
For $1\frac{3}{4}$ " " No. 2 " . . . . .	" 7 50
For $1\frac{1}{2}$ " " No. 2 " . . . . .	" 7 50

## IMPROVED DERBY REACH PLATE.



For Double Reach.

Sizes same as Single Reach . . . . . Per doz, \$9 50

## IMPROVED REACH SOCKET.



For $\frac{3}{4}$ inch Reach . . . . .	Per doz. pairs, \$6 00
For $\frac{1}{2}$ " . . . . .	" " 6 72



## STAY ENDS AND OFFSETS.

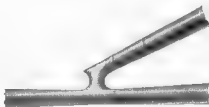


Stay End, No. 1.

For 3-8 Stay.....	Per doz., \$2 25
" 7-16 "	" 2 50
" 1-2 "	" 2 75

Made from one piece of best Norway Iron, under letters patent of October 22 1873, and December 21, 1875

Packed two dozen in a box



Offset, No. 2.

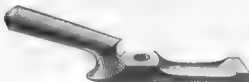
For 3-8 Stay.....	Per doz., \$1 50
" 7-16 "	" 1 80
" 1-2 "	" 2 00
" 9-16 "	" 2 20

Forged from one piece of best Norway Iron. Made under letters patent of October 22, 1873, and December 21, 1875.

In ordering Stay Ends and Offsets, be particular to state number and size

Packed two dozen in a box

## STAY ENDS AND OFFSETS.

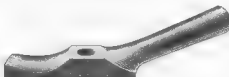


Stay End, No. 3.

For 3-8 Stay,	Per doz. \$1 60
" 7-16 "	" 1 90
" 1-2 "	" 2 10
" 9-16 "	" 2 30

Forged from one piece of best Norway Iron. Made under letters patent of October 22d, 1873, and December 21, 1875.

Packed two dozen in a box



Stay End, No. 4.

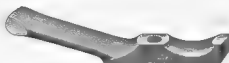
For 3-8 Stay,	Per doz., \$0 80
" 7-16 "	" 1 00
" 1-2 "	" 1 25
" 9-16 "	" 1 50

This is the cheapest Stay End made, and is desirable for plain work. Forged from the Best Norway Iron. Made under patents of September, 1874.

To avoid delay in ordering, be particular to state number, as well as size, wanted.

Packed two dozen in a box

## STAY ENDS AND OFFSETS.

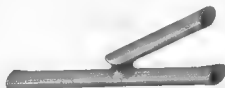


New Oval Stay End, No. 6.

For 9-16x 3-8 Stay .....	Per doz., \$ 0 90
For 5-8 x 3-8 " .....	" 1 00
For 3-4 x 7-16 " .....	" 1 25
For 7-8 x 1-2 " .....	" 1 50
For 1 x 1-2 " .....	" 1 75

Made from best Norway Iron under letters patent of September 1 1874

Packed two dozen in a box.



New Oval Offset, No. 7.

For 9-16x 3-8 Stay .....	Per doz., \$1 50
For 5-8 x 3-8 " .....	" 1 75
For 3-4 x 7-16 " .....	" 2 00
For 7-8 x 1-2 " .....	" 2 25
For 1 x 1-2 " .....	" 2 50

Made from best Norway Iron under letters patent of September 1 1874

In ordering Stay Ends and Offsets, to prevent delay it is very necessary to state size and number

Packed two dozen in a box.

## STAY-<sup>t</sup>END TIES.



**Bent Pattern, Round.**



**Straight Pattern, Round.**

For 3-8 Stay Iron.....	Per doz., \$	75
For 7-16 " .....	"	90
For 1-2 " .....	"	1 10
For 9-16 " .....	"	1 20

These Stay End Ties (or Back Stay Ends, as some call them) are forged from best Norway Iron. The back hole can be drilled to fit any size of axle, and the shape is such that it can be used with either Round or Oval Stays. As one size will answer for several sizes of axles, it is unnecessary for dealers to carry so much of a stock as they would need to if flat pieces were utilized. For large special orders will drill back hole without charge.

Packed in paper boxes of two dozen each. In a box of Bent Pattern Stay End Ties, twelve turn to the right and twelve to the left.

## STAY END TIES.



Bent Pattern, Oval.



Straight Pattern, Oval.

2-16 x 7-8	Per doz., \$	75
6-8 x 3-8	"	90
7-4 x 7-16	"	1 25
7-8 x 3	"	1 50
1 x 1 2		1 75

There being some demand for Oval Stay End Ties to match our Oval Stay Ends and Offsets, we have made three sizes first given above, and will also make " 8 x 1-2 and 1 x 1-2 if we can secure orders enough out to warrant expense of necessary dies.

## PHAETON SOLID SADDLE CLIP.



This forging has never before been manufactured for the trade, being made in the shops and used by the light makers of this city. The End A is left long enough to meet the requirements of any depth of Spring and Axle. The above is now made for  $1\frac{1}{2}$  Spring.

Price per doz.

..

\$6 00

## DASHES.

No. 1.

**Price per Dozen.**

In parts, plain.....	\$16 00
Whole, " .....	20 00
In parts, plated.....	24 00
Whole, corners plat d...	36 00
Whole, Top Rail full plated	40 00

No. 2.



In parts, plain.....	\$17 00
Whole .. .. .	22 00
In parts, plated.....	24 00
Whole, Top Rail, plated	36 00

No. 3.

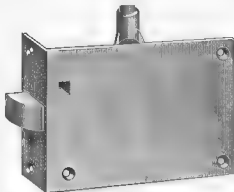


In parts, plain.....	\$20 00
Whole.....	24 00
In parts, plated.....	36 00
Whole, Top Rail plated..	40 00

Dashes of every style made to order at the lowest cash prices. It will be seen, by referring to each cut, how far they are plated, each cut having two small crosses on it, and plated between. In ordering, please order by numbers.

## GATES' PATENT LEVER LOCKS.

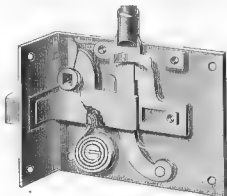
Cut No. 1.



Patented.

No. 1, Size $5\frac{1}{2} \times 1\frac{1}{2}$ inch	Face 1 3-4 inch deep.....	Per pair \$3 00
No. 2 Size $5 \times 1\frac{1}{2}$	1 5-16 " .....	3 00
No. 3, Size $5 \times 1\frac{1}{4}$	1 " .....	2 75

We can confidently recommend this Lock as being the best of its kind in the market. We have testimonials to this effect from the leading firms in the trade and many of the best carriage mechanics. The liability of Locks to wear loose and rattle is effectually overcome by the application of the springs *A* and *B* to the Lever and *C* to the Tumbler (shown in cut No. 2, the back plate of which is removed). It is but  $\frac{1}{4}$  of an inch thick. Warranted to be material and workmanship to be first-class.

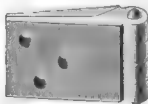


Cut No. 2



## DOUBLE JOINT COACH HINGES.

Two Dozen in a Package.



1 INCH WIDE.

1	1½	1¾	1⅞	2	2½	2¾	2⅞	3 in. long.
\$0 85	1 85	0 90	0 95	1 05	1 15	1 25	1 35	1 45 per doz.

1½ INCH WIDE.

1	1½	1¾	1⅞	2	2½	2¾	2⅞	3	3½	3½ in. long.
\$1 00	1 00	1 10	1 20	1 30	1 40	1 50	1 60	1 70	1 80	1 90 per doz.

1½ INCH WIDE, RIGHT AND LEFT.

1	1½	2	2½	2¾	2⅞	3	3½ in. long.
\$1 50	1 60	1 70	1 85	2 00	2 15	2 35	2 60 per doz.

1½ INCH WIDE, RIGHT AND LEFT.

2	2½	2¾	2⅞	3	3½	3¾	3⅞	4	4½	5 in. long.
\$2 00	2 20	2 40	2 65	3 00	3 25	3 50	3 75	4 00	4 50	5 00 per doz.

2 INCH WIDE, RIGHT AND LEFT.

2	2½	2¾	2⅞	3	3½	3¾	4	4½	5 in. long.
\$4 40	4 40	4 80	5 30	6 00	6 50	7 00	8 00	9 00	10 00 per doz.

## CARRIAGE SPRING LOCKS.



No. 6...	Per doz. pairs, \$ 8 00
No 1...	" " 9 00
No 2 ..	" " 11 00
No 7...	" " 12 50

## SPRING BOXES OR LOCKS.



5-8 inch....	Per doz. pairs, \$3 50
3-4 inch..	" " 3 50

## WROUGHT JOINT RIVETS.



No. 1.



No. 2

No. 1, Oval	Per gross, \$1 50
No. 2, Bevel	4 00

## CAPPED JOINT RIVETS.

### EXTRA

Nos. 7, 8, 9, 10, 11, Plate Metal Filled	Per gross, \$8 50
No. 12, Japanned, Imitation Stitch	4 00
No. 13, " " "	5 00

### COMMON.

Nos. 7, 8, 9, 10, 11, Electro Plate, Filled	Per gross, \$4 50
Add for Nutting and Threading	0 50

## SILVER MOULDINGS.



Made from heavy plate, and with rich filing, which makes it capable of being bent without breaking

	Per foot.		Per foot.
Angle, 1-4 inch	\$0 11	Half Round, 1-4 inch	\$0 11
" 5-16 "	0 13	" 5-16 "	0 13
" 3-8 "	0 14	" 3-8 "	0 15
" 7-16 "	0 16	" 7-16 "	0 16
" 1-2 "	0 17	" 1-2 "	0 17

## Common Horse Shoe Harness Buckles.

Japanned..	\$0 60	0 76	0 92	1 14	1 44	1 74 per gross
------------	--------	------	------	------	------	----------------

## Imitation Stitch Harness Buckles.

Japanned ..	1 55	1 85	2 20	2 80	3 60	4 80 per gross.
with X C Tongues	1 55	1 85	2 20	2 80	3 60	4 80 "

## KNOBS.



No. 10.

No. 11

No. 12

No. 13

No. 14.

No. 15.

No. 10, Riveting Knob, Straight .....	\$0 80
" 11, " " Concave.....	0 80
" 12, Screw " Single Curtain .....	1 10
" 13, " " Double Curtain.....	1 20
" 14, Staple " .....	1 40
" 15, Button Head Screw.....	1 10
" 16, " " Rivet .....	0 80



BREWSTER RIVET

No. 2 DRIVE

No. 3 DRIVE

BREWSTER SCREW.

Silver Capped, Best, No. 2 and 3....	Per gross, \$1 00
Japaned, Common, No. 2 and 3 .....	" 0 40
" English, No. 839.....	" 1 10
Brewster Screw, or Rivet Knobs, extra finish.....	" 1 10

## RATAN MOULDINGS.

No. 6



No. 8



No. 10



No. 12



This article is a great convenience in finishing Buggy Bodies. The number indicates the size, thus—5 is 5-32ds of an inch, and so on.

### HALF ROUND.

No. 5	.....	Per 1000 feet, \$1 25
No. 6	.....	" " 1 75
No. 7	.....	" " 2 00
No. 8	.....	" " 2 50
No. 9	.....	" " 3 25
No. 10	.....	" " 4 25
No. 11	.....	" " 6 00
No. 12	.....	" " 7 00

### ANGLE.

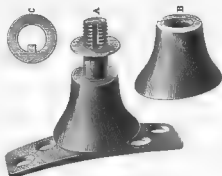
No. 6	.....	Per 1000 feet, \$2 00
No. 7	.....	" " 2 50
No. 8	.....	" " 3 00
No. 9	.....	" " 3 50
No. 10	.....	" " 4 00

## SADDLE REEDS.

No. 5	.....4 feet.....	Per gross, \$ 80
No. 6	.....4 feet.....	" " 90
No. 7	.....4 feet.....	" " 1 00
No. 8	.....4 feet.....	" " 1 25

For Reeds 8 feet long, double the above lists.

## BRADLEY'S "GROOVED" TOP PROPS.



Patented May 16, 1871.

The above cut shows the front Prop. The washers are punched from hard sheet brass.

Without Nuts and Rivets ..

. . Per set 50c.

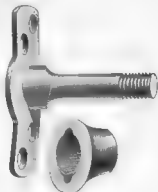
Nuts same size as for Bradley Prop.

Props are milled to an exact size

The construction of this Prop is such that it is impossible for the Nut to lose off. The washer is held fixed by the groove and the spur of the washer, and as the joint works against the fixed washer, there is no tendency to loosen the nut.

The Props are convenient for the blacksmith to fit the joints. It is also easy to put the joints on when varnished.

## SNELL'S TOP PROP.



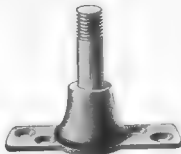
Put up in boxes of four sets each.

Without Nuts or Rivets..... Per set, \$o 20

This Prop is made of Malleable Iron, is well fitted up, and is the strongest as well as the cheapest Prop (with collar) in the market. It possesses all of the advantages of the Thomas Prop.

The very large sale with which it has met justifies us in believing that it is the best Prop made for the price.

## THOMAS' MALLEABLE TOP PROP.



Without Nuts or Rivets..... Per set, \$o 20

## "Elm City" Fine Japanned Prop Nuts.



Pat. May 15, 1883. Caps full

size



This Nut has a SOLID IRON Cap, imitation steel, and so constructed that the Cap cannot come off or dent in. The method of fastening Nut and Cap is novel. It consists of forcing the Nut into a recess underneath the Cap, and under a drop the iron is flattened over the Nut, making it impossible to separate the Nut and Cap. These Nuts are covered with three coats of fine quality Japan, and produces a smooth and glossy appearance.

Nuts or Rivets.

..... Per gross, \$3.00

N. B.—Made in 1 1/4 size only. Neatly packed 1/2 gross in a box

## SCREW BASE TOP PROP.



This Prop is carefully threaded, and fitted accurately for 7/16 Nuts, 14 Thread. The leather on the top can be better fitted to the Prop, as the Stem unscrews, thereby allowing the leather to be quickly fastened, and makes a neat appearance about the Collar of the Prop.

Price..... Per set, 28c.

Packed 4 sets in a box.

For carriage makers' use, we put 100 sets in a box, loose paper and allow 1/2 cent reduction per set.





## TOP PROP NUTS.

**Leather Covered.**



PATENTED SEPT. 9, 1879

We desire to call your attention to our Leather Covered Nuts. The leather forming the back of the Nut is punched with two holes to receive the pins, as shown in the cut, the pins are stamped into the leather, preventing the leather from turning, and after receiving a coat of cement to make the leather impervious to water, the front is studded, forming the most durable and neatly finished Nut in the market.

$1\frac{1}{2}$ inch Bright or Dull Leather	\$10 00
$1\frac{1}{4}$ " " " " " " " "	12 00
$1\frac{3}{8}$ " " " " " " " " for Landaus	42 00

In ordering please give size of Prop for which they are wanted

## "Excelsior Hard Covered" Prop Nut and Rivet.

**Bright Leather Finish.**

PRICES REDUCED



Patent applied for.

Sizes.	Per gross
1 $\frac{1}{2}$ .	\$1 00
1 $\frac{3}{8}$ .	12 00



Threaded and Nuted.

Rivets same price as Nuts

We have recently improved these Nuts, obviating, we believe, former difficulties. They are made with a flange under the head, separating the wrench from the rim, and thereby preventing fracture. They are covered with a patent composition resembling Celluloid, perfect in color and finish. Other Nut and showing fine stitches are not affected by moisture or exposure and do not change their color or lose their lustre. Five years have proved this statement true. We give you a few pictures showing the work we have done.

The Brackett & Tuttle Co., New Haven, Conn.

111 Broadway, New York City.

The Gregg & Howe Carriage Co., Wilmington, Del.

J. W. Gosling, Cincinnati, Ohio.

And many others.

N. B. Sample shown on page 100

# TOP PROP NUTS.

Illustrated to exact size.



No. 7



No. 8



No. 9.



No. 10.



No. 11.



No. 13

## EXTRA QUALITY.

No. 7, Plate Metal, filled.....	...	Per gross, \$8 50
" 8, " " " " " " " " " "	"	8 50
" 9, " " " " " " " " " "	"	8 50
" 10, " " " " " " " " " "	"	8 50
" 11, " " " " " " " " " "	"	5 50
" 12 Japanned, Imitation Stitch ..	"	4 50
" 13, " " " " " " " " " "	"	5 00

## COMMON QUALITY

No. 7, Electro Plate, filled		Per gross, \$4 50
" 8, " " " " " " " " " "	"	4 50
" 9, " " " " " " " " " "	"	4 50
" 10, " " " " " " " " " "	"	4 50
" 11, " " " " " " " " " "	"	4 50

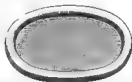
In ordering, please state the Prop for which they are wanted

## CURTAIN FRAMES.

The following cuts represent the frames at one-quarter their length and width.



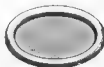
No. 16. HALF ROUND.



No. 5. HALF ROUND.



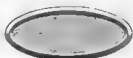
No. 6. HALF ROUND.



No. 17. HALF ROUND.

For List prices, see page 89.

## CURTAIN FRAMES.



No. 30. ANGER.



No. 31. HALF ROUND.



No. 32. HALF ROUND.



No. 33. HALF ROUND.

For List prices, see page 89.

## CURTAIN FRAMES.



No. 41.  
With Screws



No. 42.  
With Screws.



No. 43.  
With Six Points



No. 44.  
With Six Points.

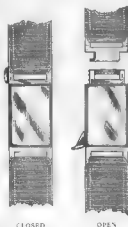
## CURTAIN FRAMES.

PRICE PER DOZEN

	Slaver	Jap'ed.
No 5 . . . . .	\$3 00	\$2 50
No 6 . . . . .	2 00	1 40
No 16 . . . . .	3 75	3 00
No 17 . . . . .	1 75	1 40
No 18 . . . . .	2 25	1 60
No 30 . . . . .	3 75	
No 31 . . . . .	2 00	1 40
No 32 . . . . .	3 75	3 00
No 33 . . . . .	7 25	6 00
No 41 . . . . .		6 00
No 42 . . . . .		1 50
No 43 . . . . .		0 80
No. 44 . . . . .		0 80

## Snell's Apron Fasteners.

Patented March 11, 1879.



CLOSED

OPEN

Keep the Apron Straps always tight and in place.

We take pleasure in offering our new Apron Fastener to the trade, believing that we have at last produced an article for this purpose which will give universal satisfaction. It makes a neater and smoother finish on the Dash than any other. Its *neatness, convenience and simplicity* is instantly acknowledged.

Silver or Nickel

Per doz., \$2 50

Gold

3 00

## Littlejohn's Carriage Boot Flap Hook.

Patented Nov. 9th, 1880.

### DIRECTIONS

Take hold of the curved piece with the thumb and forefinger, and raise it up, and it will pass through the loop very freely.

We desire to call your attention to Littlejohn's Patent Boot Flap Hook. Its simplicity, cheapness, and the ease with which it can be attached, are its principal recommendations.

It being constructed on the cam principle, allows the slack in the strap to be taken up without trouble, and as it has a positive movement is less liable to get out of repair than many of the other kinds in use.

For those who wish a Good Fastener at a low price, we recommend this style. Send for sample set.

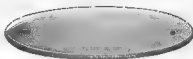
### PRICE LIST.

Gold Plated. ....	Per gross, \$20 00
Silver Plated .....	" 15 00
Nickel Plated .....	" 12 00
Brass Finished .....	" 10 00
Japanned. ....	" 6 00

Put up one dozen in a box.



## NAME PLATES.



No. 8



No. 9



No. 10



No. 11

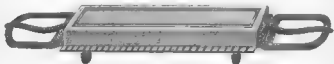


No. 12

No.	Description	Per doz., \$	Per doz., ¢
No. 7, Beveled..			0 00
" 8		"	0 87½
" 9		"	0 87½
" 10		"	0 87½
" 11		"	1 00
" 12, Plain		"	0 87½
Extra for Stamped Letters.		"	1 00
Extra for Engraved Letters.		"	4 00
Extra for Gold Plates		"	0 50

## METALLIC LOOPS AND BUCKLES.

These Loops, made after new improved patterns, are all that is desired. They are made of the best Russia Iron and Black Enameled. They are more durable and practical than Leather Loops and by far the best and cheapest Loops in the market.



No. 1.—DOUBLE BUCKLE LOOP.

Cut full size. Packed 100 in a box.

Price .

.. Per hundred, \$5.00



No. 2.—SINGLE BUCKLE LOOP.

Cut full size. Packed 100 in a box.

Price

.. Per hundred, \$4.50



No. 3.—STRAP LOOP.

Cut full size. Packed 100 in a box.

Price

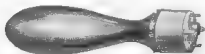
.. Per hundred, \$4.50



## KNOB PATCH FASTENERS.

Patented Dec. 3, 1872.

The cut shows the most simple and best Fastener that can be used to hold a knob. It is made of the Les. Russ. Iron and is well Japanned. By using the Punch, a curtain can be finished within a few seconds.



Punch for fitting on Knob Patch



The Knob Patch Fastener

Nos. 1 and 2, Black Japanned.....	Per gross, \$1 00
No. 3, Tinned, for Children's Carriages .....	" 80
Punch for putting on Knob Patch Fasteners .....	Per dozen, 12 00

## PRESSED LEATHER LOOPS.

New Loop.



1/2 Inch, High and Low.....	Per gross, \$5 40
1/4 " " " .....	" 5 40

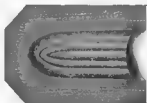
These Loops make a very neat and tasty appearance, and are used by the manufacturers wanting a low-priced Leather Loop.

## TALCOTT'S ELASTIC KNOB PATCH.

Oval or Round Hole .....	Per gross, \$3 75
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These Eyelets have been in use for a number of years, and are very popular with the trade. They are now used largely in the carpet of a carriage making a secure and neat fastener to the bottom of same.

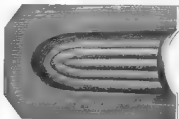
## HAND MADE CURTAIN LOOPS.



**Low Loop.**

Per gross..... \$6 00

Packed one gross in a box



**High Loop.**

Per gross..... \$6 00

These Loops are intended for fine work, and made in double the thickness of fine grain (name of) Leather. The dotted lines around the Loops show the place on Loop where the trimmer would cut off the border when the Loop is stitched.

# Patent Pressed Black Top Prop Washers.



500 in a box

	Inside diameter.	Outside diameter.	Per 100
No. 1.....	6-16	12-16	\$0 50
No. 2.....	7-16	12-16	50

# LEATHER PROP BLOCK WASHERS.



No. 1, Front



No. 2, Back.

No. 1, per gross.....	\$8 00
No. 2, ".....	7 00

These Washers are made of Patent Leather, and are neatly stitched around the outer edge. They are the best Prop Block Washer in the market. Made with either round or square hole.

## AXLE WASHERS.

MADE OF

Best Sole Leather.

MACHINE PRESSED.

Packed  
50 in a Box.

REVISED LIST

OF

Nov. 1, 1883.

## PRICE LIST

No.	Inside Diam.	Outside Diam.	Diameter in 16th of inch Per 100.	No.	Inside Diam.	Outside Diam.	Diameter in 16th of inch Per 100.	No.	Inside Diam.	Outside Diam.	Diameter in 16th of inch Per 100.
1	17-16	2 10 1/2	\$1.75	41	1 1/2	1 1/2	\$1.75	115	1 1/2	1 1/2	\$3.50
2	17-16	2 10 1/2		42	1 1/2	1 1/2		116	1 1/2	1 1/2	
3	17-16	2 10 1/2		43	1 1/2	1 1/2		117	1 1/2	1 1/2	
4	17-16	2 10 1/2		44	1 1/2	1 1/2		118	1 1/2	1 1/2	
5	17-16	2 10 1/2	2.25	45	1 1/2	1 1/2	2.50	119	1 1/2	1 1/2	2.75
6	17-16	2 10 1/2		46	1 1/2	1 1/2		120	1 1/2	1 1/2	
7	17-16	2 10 1/2		47	1 1/2	1 1/2		121	1 1/2	1 1/2	
8	17-16	2 10 1/2		48	1 1/2	1 1/2		122	1 1/2	1 1/2	
9	17-16	2 10 1/2	2.50	49	1 1/2	1 1/2	2.75	123	1 1/2	1 1/2	3.50
10	17-16	2 10 1/2		50	1 1/2	1 1/2		124	1 1/2	1 1/2	
11	17-16	2 10 1/2		51	1 1/2	1 1/2		125	1 1/2	1 1/2	
12	17-16	2 10 1/2		52	1 1/2	1 1/2		126	1 1/2	1 1/2	
13	17-16	2 10 1/2	1.75	53	1 1/2	1 1/2	2.25	127	1 1/2	1 1/2	2.50
14	17-16	2 10 1/2		54	1 1/2	1 1/2		128	1 1/2	1 1/2	
15	17-16	2 10 1/2		55	1 1/2	1 1/2		129	1 1/2	1 1/2	
16	17-16	2 10 1/2		56	1 1/2	1 1/2		130	1 1/2	1 1/2	
17	17-16	2 10 1/2	2.25	57	1 1/2	1 1/2	2.50	131	1 1/2	1 1/2	2.75
18	17-16	2 10 1/2		58	1 1/2	1 1/2		132	1 1/2	1 1/2	
19	17-16	2 10 1/2		59	1 1/2	1 1/2		133	1 1/2	1 1/2	
20	17-16	2 10 1/2		60	1 1/2	1 1/2		134	1 1/2	1 1/2	
21	17-16	2 10 1/2	2.50	61	1 1/2	1 1/2	2.75	135	1 1/2	1 1/2	3.50
22	17-16	2 10 1/2		62	1 1/2	1 1/2		136	1 1/2	1 1/2	
23	17-16	2 10 1/2		63	1 1/2	1 1/2		137	1 1/2	1 1/2	
24	17-16	2 10 1/2		64	1 1/2	1 1/2		138	1 1/2	1 1/2	
25	17-16	2 10 1/2	2.75	65	1 1/2	1 1/2	3.50	139	1 1/2	1 1/2	4.00
26	17-16	2 10 1/2		66	1 1/2	1 1/2		140	1 1/2	1 1/2	
27	17-16	2 10 1/2		67	1 1/2	1 1/2		141	1 1/2	1 1/2	
28	17-16	2 10 1/2		68	1 1/2	1 1/2		142	1 1/2	1 1/2	
29	17-16	2 10 1/2	1.75	69	1 1/2	1 1/2	2.25	143	1 1/2	1 1/2	2.50
30	17-16	2 10 1/2		70	1 1/2	1 1/2		144	1 1/2	1 1/2	
31	17-16	2 10 1/2		71	1 1/2	1 1/2		145	1 1/2	1 1/2	
32	17-16	2 10 1/2		72	1 1/2	1 1/2		146	1 1/2	1 1/2	
33	17-16	2 10 1/2	2.25	73	1 1/2	1 1/2	2.50	147	1 1/2	1 1/2	2.75
34	17-16	2 10 1/2		74	1 1/2	1 1/2		148	1 1/2	1 1/2	
35	17-16	2 10 1/2		75	1 1/2	1 1/2		149	1 1/2	1 1/2	
36	17-16	2 10 1/2		76	1 1/2	1 1/2		150	1 1/2	1 1/2	
37	17-16	2 10 1/2	2.50	77	1 1/2	1 1/2	2.75	151	1 1/2	1 1/2	3.50
38	17-16	2 10 1/2		78	1 1/2	1 1/2		152	1 1/2	1 1/2	
39	17-16	2 10 1/2		79	1 1/2	1 1/2		153	1 1/2	1 1/2	
40	17-16	2 10 1/2		80	1 1/2	1 1/2		154	1 1/2	1 1/2	
41	17-16	2 10 1/2	2.75	81	1 1/2	1 1/2	3.50	155	1 1/2	1 1/2	4.00
42	17-16	2 10 1/2		82	1 1/2	1 1/2		156	1 1/2	1 1/2	
43	17-16	2 10 1/2		83	1 1/2	1 1/2		157	1 1/2	1 1/2	
44	17-16	2 10 1/2		84	1 1/2	1 1/2		158	1 1/2	1 1/2	
45	17-16	2 10 1/2	1.75	85	1 1/2	1 1/2	2.25	159	1 1/2	1 1/2	2.50
46	17-16	2 10 1/2		86	1 1/2	1 1/2		160	1 1/2	1 1/2	
47	17-16	2 10 1/2		87	1 1/2	1 1/2		161	1 1/2	1 1/2	
48	17-16	2 10 1/2		88	1 1/2	1 1/2		162	1 1/2	1 1/2	
49	17-16	2 10 1/2	2.25	89	1 1/2	1 1/2	2.50	163	1 1/2	1 1/2	2.75
50	17-16	2 10 1/2		90	1 1/2	1 1/2		164	1 1/2	1 1/2	
51	17-16	2 10 1/2		91	1 1/2	1 1/2		165	1 1/2	1 1/2	
52	17-16	2 10 1/2		92	1 1/2	1 1/2		166	1 1/2	1 1/2	
53	17-16	2 10 1/2	2.50	93	1 1/2	1 1/2	2.75	167	1 1/2	1 1/2	3.50
54	17-16	2 10 1/2		94	1 1/2	1 1/2		168	1 1/2	1 1/2	
55	17-16	2 10 1/2		95	1 1/2	1 1/2		169	1 1/2	1 1/2	
56	17-16	2 10 1/2		96	1 1/2	1 1/2		170	1 1/2	1 1/2	
57	17-16	2 10 1/2	2.75	97	1 1/2	1 1/2	3.50	171	1 1/2	1 1/2	4.00
58	17-16	2 10 1/2		98	1 1/2	1 1/2		172	1 1/2	1 1/2	
59	17-16	2 10 1/2		99	1 1/2	1 1/2		173	1 1/2	1 1/2	
60	17-16	2 10 1/2		100	1 1/2	1 1/2		174	1 1/2	1 1/2	

The numbers marked thus \* are the sizes in general use, and we would ask our customers to bear that in mind when ordering.

# APRON HOOKS AND RINGS.



No. 1.

No 1, Japanned ....	Per gross, \$1 30
" 2, " .....	" 1 60
" 1, Tinned .....	" 1 75
" 2, " .....	" 2 10



No. 2.

# SHAFT RUBBERS.



1 inch . . .  
1 1/2  
1 1/2

Per gross pair, \$5 00  
" " 6 00  
" " 7 50

# ELM CITY DOVETAILS.

Well Fitted.



	1/2 in. face.	3/4 in. face.
Price per dozen.....	\$1 00	\$1 15

Packed in paper boxes of two dozen each



## SEAT SCROLLS.



X C Plate  
Japanes

.....Per doz pairs, \$1 50  
" " " 1 50

## BACK STAYS.



X C Plate ..  
Japanes . . .

Per doz pairs \$1 50  
" " " 1 50

## EXTRA LINING NAILS.

### Solid Heads.

These Nails have a packing under the head giving them the fullness represented in the cuts, and also admitting of their being driven into the hardest wood without injuring the head.



Silver . . . . . Per gross, \$1 30  
Japanned . . . . . 15

## OVAL HEAD LINING NAILS. 2 P. W.



Silver or Japanned. 2 1/2 to 12 oz. . . . . 75 to paper, \$0 6  
" " 14 " 24 " . . . . . 75 " 7  
" " 2 1/2 " 12 " . . . . . 100 " 8  
" " 14 " 24 " . . . . . 100 " 9  
Brass Lining Nails. 4 " 16 " . . . . . 100 12

## TUFTING AND SADDLE NAILS.

No 1	Flat or Oval	Silver or Japanned	3 to 12 oz.	.100 to paper, \$0	9
" 1,	"	"	14 " 24 "	.100	10
" 1,	"	"	3 " 16 "	.75	8
" 2,	"	"	8 " 24 "	.100	12
" 2,	"	"	8 " 24 "	.75	10
" 3,	"	"	12 oz. to 1 1/2 in	.100	15
" 3,	"	"	12 " " 1 1/2 "	.75	12
" 4,	"	"	16 " " 1 1/2 "	.100	16
" 4,	"	"	16 " " 1 1/2 "	.75	12
" 5,	"	"	16 " " 1 1/2 "	.100	18
" 5,	"	"	16 " " 1 1/2 "	.75	14
" 6,	"	"	16 " " 1 1/2 "	.100	20
" 6,	"	"	16 " " 1 1/2 "	.75	16
" 2,	Brass Saddle,	6 to 16 oz		.100	20
" 2,	Trimming Nails,	6 to 16 oz		.100	12

## COFFIN LINING NAILS. 3 P. W.

Flat or Oval,	Silver or Japanned	2 1/2 and 4 oz.	.100 to paper, \$0	10
		2 1/2 and 4 oz	.75	8
Flat Extra Plated Metal,	{ in boxes,		.100	20
	{ in papers		"	12
Oval " " "	{ in boxes.		"	20
	{ in papers		"	19



List Adopted September 1, 1882.

**FULL WEIGHT SWEDE'S TACKS.**

	Per doz.		Per doz.
1 1/2 oz.	\$0 90	12 oz.	\$2 50
2 " "	1 00	14 " "	2 80
2 1/2 " "	1 10	6 " "	1 00
3 " "	1 20	18 " "	3 30
4 " "	1 40	20 " "	3 60
6 " "	1 60	22 " "	3 80
8 " "	1 90	24 " "	4 00
10 " "	2 20		

**LACE AND GIMP TACKS.**

	Per doz.
1 oz.	\$1 20
1 1/2 " "	1 30
2 " "	1 40
2 1/2 " "	1 50
3 " "	1 60
4 " "	1 80
6 " "	2 00
8 " "	2 20
10 " "	2 40
12 " "	2 70
14 " "	2 90
16 " "	3 10
18 " "	3 50

**PATENT AND HOOK HEAD  
BRADS.**

	Per doz.
3/4 inch.	\$1 20
1/2 " "	1 30
3/8 " "	1 44
1/4 " "	1 60
1/8 " "	1 80
1 " "	2 00
1 1/2 " "	2 24
1 3/4 " "	2 38
1 1/2 " "	3 04
1 3/4 " "	4 50
2 " "	4 86

**CHAIR NAILS.**

	Per lb.		Per lb.
1/2 inch	\$0 36	3/4 inch	\$0 21
3/4 " "	0 30	1 " "	0 22
1 " "	0 26	1 1/2 " "	0 20

**FINISHING, TRUNK AND CLOUT NAILS.**

1/8	3/8	1/2	3/4	1	1 1/4	1 1/2
\$0.48	0.32	0.26	0.22	0.20	0.18	0.16

Tinned, 6 cents per lb. advance.

IN BUT IR FOR N. TACKS.

Swede's Iron Card, Upholsterers', Miners', Nail, Carpet, Felting, and Cooper's Oval or Flat Head (Not Gimp Lace etc)

1 1 1/2 2 2 1/2 3 4 6 8 10 12 14 16 18 20 22 24 oz.

\$1 00 80. 60. 58. 52. 46. 36. 32. 30. 28. 26. 25. 24 1/2. 24. 23. 22c. per lb

**TINNED TACKS All kinds except Gimp and Lace.**

1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	22	24 oz.
\$1 50	1 25.	90.	80.	70.	60.	44.	38.	35.	33.	31.	30.	30.	29.	28.	27c. per lb

**PATENT AND COMMON BRADS.**

1/8	1/2	3/8	3/4	1	1 1/2	1 3/4	1 1/2	1 3/4	2 in
80.	58.	48.	36.	30.	26.	25.	24.	22.	20.

**GIMP AND LACE TACKS.**

1	1 1/2	2	2 1/2	3	4	6	8 oz.
\$1 60.	1 16.	90.	80.	70.	60.	44.	36c. per lb.

**TINNED GIMP AND LACE TACKS.**

1	1 1/2	2	2 1/2	3	4	6	8 oz.
\$1.96.	1.40.	1.20.	1.10.	88.	72.	52.	44c. per lb.

## BAND AND NAME PLATE NAILS.

No. 2    No. 3



No. 2, a SOLID TACK, silvered, suitable for a Band Nail, or other purposes.

No. 3, NAME PLATE TACK, silvered.

No. 2, Silver	Per gross, \$0 25
No. 3, "	" 0 16
No. 2 Gold	" 0 38
No. 3, "	" 0 24

## TRIMMERS' BUTTONS.

Eyes Warranted Not to Pull Out.



A LINE IS THE FORTIETH PART OF AN INCH.

Japaned, 18 Lines	Per great gross, \$2 50
" 20 "	" 3 50
" 22 "	" 2 50
" 24 "	" 3 50
" 27 "	" 3 50
Colors, ..	" 3 50
Silver, 16 Lines ..	Per gross, 0 90
" 18 "	" 1 00
" 20 "	" 1 10
" 22 "	" 1 20

## CLOTH COVERED BUTTONS.

Blue Brown, Green, ..... Per gross, \$0 80

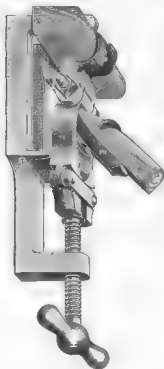
## CLOTH COVERED LINING NAILS.



Blue, Brown and Green

..... Per gross, \$0 80

## Elm City Patented Coupling Clamp.



Packed in a paper box

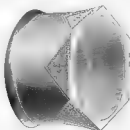
We have no knowledge of any other Clamp which is well adapted for the purpose designed. After placing the Clamp in position, as shown in the cut, screw it up sufficiently to remove the pressure on the shaft roller, and the Clamp will remain in its place, allowing both hands for removing the bolt and the old roller and replacing the new one. By its use, a difficult and dirty job heretofore, is quickly and easily accomplished.

Price ..

.. Per doz., \$15.00

## MALLEABLE ROCKAWAY BANDS.

Turned, Drilled and Lacquered.



2 Hexagon and 2 Round Bands to set.

2	inches deep, 2, 2½, 2¾, 2¾ diameter.....	Per set, \$0 42
2¼	" " 2½ to 3 " .....	" 52
2½	" " 2¾ to 3 " .....	" 60
	Over 3 inch, advance per ½ to ¾.....	" 05

In ordering, customers will please state whether they want the Hexagon Bands Ragged, or Plain.

## MALLEABLE RIM BANDS.

Turned, Drilled and Lacquered.



1½	inches deep, from 1½ to 3 inch diameter	Per set \$0 22
1¾	" " 1¾ to 3 " .....	" 25
2	" " 2 to 3 " .....	" 30
2¼	" " 2¼ to 3 " .....	" 36
2½	" " 2½ to 3 " .....	" 40
	Over 3 inch, advance per ¼ inch to ¾ .....	" 04

# Elm City Rubber Window Strips, With Inside Stiffener.

WILL NOT  
Bind Wrinkle  
OR  
RIP.



PERFECT  
Anti-Rattler  
FOR  
Window Frames.

The above cut shows the location of strips. The dotted lines indicate position of Stiffener. Strips are 9-10 in. wide and 27 in. long. The advantage in having an Inside Stiffener covered by Rubber, and thereby securing permanence of shape, is readily seen.

Price per set (100) 4x12 screws, 6x10x12 per set \$ 75

## SNAPS, OR HOOKS AND EYES.



SNAP.



CUTS FULL SIZE



HOOK.

Made from Steel, neatly enameled and very convenient for use on Canopy Tops, or any vehicle where knobs can not be used.  
Per gross, \$2 25  
3 00

## Extension Concealed Top Braces.



No. 1, Adjustable from 11 to 15 inches . . . Per doz. pairs, \$3 00  
No. 2, " " 15 to 19 " " " 3 50

Packed 6 pairs in a box.



## WHIP SOCKETS.

We call special notice to these two styles of Sockets, which are made and finished in the best manner. We have secured the agency of same from a manufacturer who is unknown to the trade, always heretofore selling his Sockets to the makers of fine Carriages direct.

We believe that these Sockets are the finest finished in market, and only ask a trial.

$\frac{1}{2}$  doz. in a box



No. 20 x.

No. 18 x.

Nos. 20 x, 21 x, 22 x are Wood Sockets, having Molded Rubbers, and designed to be used with the Improved Chamberlain Fastener (See cut below.)

No. 18 x, is a Metal Socket, Wood Top Molded Rubbers, and having Fasteners as shown in cut.

No. 20 x Buggy size	7	inches long.	$1\frac{1}{2}$	Chamberlain Fasteners	Per doz	\$3 00
" 21 x. Phaeton size,	$7\frac{3}{4}$	" "	$1\frac{3}{4}$	" "	"	3 20
" 22 x. Coach size,	$7\frac{3}{4}$	" "	$1\frac{1}{2}$	" "	"	3 50
" 18 x Buggy size, and Fastener as shown above					"	2 90

## CHAMBERLAIN'S IMPROVED SOCKET FASTENERS.



This Fastener is finely finished. The parts are japanned separately, and the Head only of the Screw japanned, thus avoiding the common trouble in using them to the Socket, of the parts sticking fast and thread of Screw filling with Japan.

$1\frac{1}{4}$ ,  $1\frac{1}{2}$ ,  $1\frac{3}{4}$ , per doz. pairs, \$1 00. Packed 1 doz. pairs in a box.

## Dickey Seat Whip Socket Fasteners.



Spanned suitable from  $1\frac{1}{8}$  to  $1\frac{1}{2}$

Per dozen pairs, \$3 00

The above has a Reversed Jaw, and intended to be used on a Seat Rail of Coaches, &c

## PATENT LEATHER WHIP SOCKETS.

**Prices Reduced**

WITHOUT FASTENERS.

$5\frac{1}{2}$ inches long, Carriage. ....	Per doz., \$3 50
6        "        Phaeton.....	"        3 75
$6\frac{1}{2}$ "        Coach.....	"        4 00

This is a Socket recently made and introduced to the trade to meet the wants of those requiring a nice article. It is lined with leather, has springs to keep the whip in position and is every way a first-class Socket.







## VALENTINE'S COACH VARNISHES.

### Finishing.

Wearing Body Varnish.....	\$6 00
Medium Drying Body Varnish.....	5 00
Elastic Gear Varnish.....	5 00
One Coat Coach Varnish.....	4 50

### Rubbing.

Hard Drying Body Varnish.....	\$5 00
Elastic Leveling Varnish.....	4 50
Quick Leveling Varnish.....	4 00
Black Japan.....	4 50
Black Color and Varnish.....	4 00

### Miscellaneous.

Enameled Leather Varnish.....	\$4 00
Quick Black Lacquer.....	4 00
Japan Gold Size.....	3 50
Crown Coach Japan.....	1 75
Dark Ground Roughstuff.....	2 50
Light Ground Roughstuff.....	2 50
Dark Permanent Wood Filling.....	4 00
Light Permanent Wood Filling.....	4 00

## Crockett's Primer or Wood Filler.

Price..... Per gallon, \$3 50

The manufacturer in offering this Priming and Wood Filler to the trade would state it is the most perfect article ever used for the purpose, it having been tested by leading manufacturers, and so pronounced by them.

## REID'S SIX CORD LINEN THREAD.

### Williamson's Mills.

500 YARD SPOOLS

No. 8, Heavy.....	Per box, 1 doz. spools, \$4 00
" 16, F.....	" " " 4 00
" 20, E.....	" " " 4 00





## PLATED GOODS.

The Remaining Pages of Catalogue Represent our Designs in

DOOR HANDLES,

LANDAU TRIMMINGS,

YOKE TIPS,

SHAFT TIPS,

WHIFFLETREE TIPS.

CROSS STRAP TRIMMINGS,

POLE TIPS,

LANDAU FLAPPERS,

MOULDING FINISHERS,

BREWSTER IMPROVED CURTAIN FASTENERS,

&c., &c., &c., &c.

# FOOT BOARD HANDLES.

No. 1.



PLAIN.

Silver....	..	..	..	..	Per pair, \$5 00
Gold ...	..	..	..	..	" 6 00

No. 2.

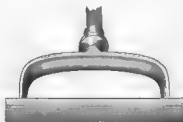


FANCY.

Silver.....	.....	.....Per pair, \$5 50
Gold .....	.....	" 6 50

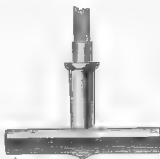
BREWSTER HANDLE.  
D PATTERN.

No. 3.



4½ inches long, Silver....	Per pair, \$4 00
4½ " " Gold.....	" " \$ 25
Close Plating front bar, extra ..	" " 1 50

No. 12.



DREWSTER

			Silver,	Gold.
3 5/8 inches long, Electro Plate	...	Per pair,	\$2 50	\$3 20
4	"	"	70	3 50
4 1/2	"	"	3 00	3 80
3 5/8	"	Close Plate	4 25	
4	"	"	4 50	
4 1/2	"	"	5 00	

## CLUB HANDLES.

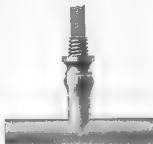
No. 40.



FRENCH OPEN.

			Silver.	Gold
3½ inches long	..	Per pair	\$5 50	\$4 00
4	"	"	3 80	4 25
4½	"	"	4 25	4 75

No. 42.



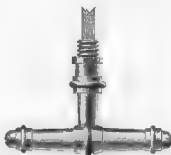
BOSTON

			Silver.	Gold
3½ inches long	..	Per pair	\$1 50	\$1 80
3¾	"	"	1 90	2 20
4	"	"	2 20	2 60



## CLUB HANDLES.

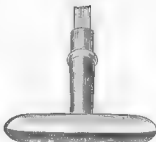
No. 45.



GATES

		Silver	Gold
3 1/4 inches long	.....Per pair,	\$2 25	\$2 50
3 3/4 " "	....."	2 50	2 80
4 " "	....."	2 65	3 00
5 " "	....."	3 50	4 20

No. 50.

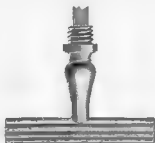


NEW YORK.

		Silver.	Gold.
4 inches long	.....Per pair,	\$2 50	\$2 90
4 1/2 " "	....."	3 00	3 50

## CLUB HANDLES.

No. 37.



CORRUGATED.

		Silver.	Gold.
3 1/4 inches long...	Per pair,	\$4 00	\$5 00
4 " "	"	4 50	6 00

No. 38.



MERRIMAC

		Silver.	Gold.
3 1/2 inches long...	Per pair,	\$1 10	\$1 50
4 1/4 " " extra heavy...	"	2 25	2 75

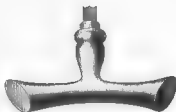
## ROGERS' HANDLE.



4 $\frac{1}{2}$  inches, Silver . . .  
 4 $\frac{1}{2}$  inches, " . . .

Per pair, \$4 50  
 " " 4 80

## CHICAGO HANDLE.



4 inches, Silver . . .	Per pair, \$3 50
4 $\frac{1}{2}$ " " . . .	" " 3 80
Close Plate, extra . . .	" " 1 30

All our fine Handles are heavily nicked then silvered, making them durable, and preventing the brass from showing when the silver is worn.

## PARIS HANDLE.



4½ inches, Silver. . . . . Per pair, \$4 75

## Centennial Beaded Rim Bands.

New Pattern.



FOR LIGHT CARRIAGES.

1½ inches deep	2¼ to 3 inches Diameter, Silver	Per set, \$4 00
2 "	2¼ to 3 " "	" 5 00

FOR COACHES, LANDAULS, ETC

2½ inches deep.	3½ to 4 inch inclusive, Silver	Per set, \$10 00
2½ " "	4½ to 4½ " " " " " "	" 12 00

The above Bands are only plated on head and inside For full plate on the above, 2½ deep, all diameters, add \$2 00 per set to list.

# CLUB HANDLES.

No. 55.



AMESBURY

	Silver	Gold
2 1/4 inches long ...	Per pair, \$0 80	\$1 00
3 1/4 " " ...	" 1 00	1 20

A cheap handle and well finished, 9 32 shank unless otherwise ordered

# INSIDE HANDLES.

No. 60.



INSIDE, WITH NUT

Silver . . . . .	Per pair, \$1 25
Gold... . . . .	" 1 50

# INSIDE HANDLES.

No. 62.



INSIDE, FOR COVERING.

Silver, or Orreide . . .  
Gold, . . .

Per pair, \$0 90  
" 1 20

No. 64.



NEW PATENT PULL TO, FOR COVERING

Finished in Brass

Per pair, \$0 50

# LEVER HANDLES.

No. 66.



No. 67.



PLAIN FOR COVERING

No. 66, Silver, full.....	Per pair, \$0 90
" 66, Gold, full.....	" 1 20
" 67, Plain, for Covering, Silver.....	" 0 50

# HEAVY CAST SHAFT TIPS.

Round End Pattern.



	Silver, Oride, or Nickel	..	Per doz. pairs, \$1 50
$\frac{3}{8}$ x $1\frac{1}{4}$ ,	"	"	"
1 x $1\frac{3}{4}$ ,	"	"	1 80
$\frac{3}{8}$ x 2,	"	"	2 50
1 x 2,	"	"	2 90
$\frac{3}{8}$ x $2\frac{1}{4}$ ,	"	"	3 35
1 x $2\frac{3}{4}$ ,	"	"	3 75

# WHIFFLETREE TIPS.

No. 175.

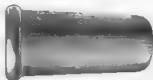


BEADED LOCK EYE.

	Per doz. pairs, \$5 75	Silver.	Gold
$\frac{3}{4}$ inch .....	"	7 50	\$ 8 50
$\frac{3}{8}$ " .....	"	9 00	9 75
1 " .....	"		\$11 50

## EUREKA SHAFT TIP.

Wrought Brass.



BEADED PATTERN

$\frac{3}{8}$ x $1\frac{1}{2}$ , Plain Pattern, Order or Nickel						Per doz. pairs, \$1 20	
1	x 2,	"	"	"	"	.....	1 56
$\frac{3}{8}$	x $2\frac{1}{4}$ ,	"	"	"	"	.....	2 50
$\frac{3}{8}$	x $1\frac{1}{2}$ ,	Beaded,	"	"	"	.....	1 40
1	x 2	"	"	"	"	.....	1 70

The Beaded Pattern overcomes the objection to a thin edge Tip. The leather can be placed under the bead, if thin and if thick, will be flush with the edge, in either case, a neat finish will be made.

We shall soon have new patterns in Pole Tips, and other Brass goods, which have before been cast. By the drawing process, we can furnish goods of better finish, stronger, and at much less price.





## YOKE TIPS.

No. 1.



Silver or Orreide,  $\frac{3}{8}$  .  
Gold  $\frac{3}{8}$

Per dozen pairs \$9 50  
" " 12 25

No. 2.



Composition

Silver or Ore de

Gold

 $\frac{3}{8}$ 

\$10 50

14 00

 $\frac{3}{8}$ 

\$11 25

15 00

Per doz. pairs

1

\$14 50

19 00

 $\frac{1}{2}$ 

\$9 00

24 00

Malles etc.

Japanned ....

X. C. Plated . . .

 $\frac{3}{8}$ 

5 00

6 50

1

\$6 00

7 75

No. 3.



Silver or Oreide

Gold

 $\frac{3}{8}$ 

\$14 00

17 00

Per doz. pairs.

1

\$15 75

20 00

## WHIFFLETREE TIPS.

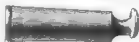
No. 181.



FLANGE.

			Silver.	Gold.
1	inch, 3 1/2 inches long	..... Per doz pairs,	\$12 00	\$13 25
1 1/8	" 3 1/4 "	" " "	13 50	14 75
1 1/4	" 3 3/4 "	" " "	15 50	16 50
1 3/8	" 3 1/2 "	" " "	17 75	19 25

No. 184.



PLAIN

			Silver.	Gold.
1/4	inch, 3 1/2 inches long	..... per doz pairs,	\$6 75	\$ 9 00
3/8	" 3 1/4 "	" " "	7 50	10 00
1	" 3 3/4 "	" " "	9 00	12 00

No. 189.



OPEN END

			Silver.	Gold.
1	inch, 1 1/2 inches long	..... Per doz pairs,	\$5 25	\$6 25
1 1/8	" 2 "	" " "	6 00	7 00
1 1/4	" 2 "	" " "	7 00	8 00

## POLE TIPS.

No. 225.



BRYANSTER

		S. or	Gold
I 1-16 inch	Per doz.,	\$17 00	\$20 00
I 1-8 "	"	18 50	22 00
I 1-4 "	"	21 00	25 00
I 3-8 "	"	24 00	28 00

No. 231.



CENTRAL PARK

		Silver	Gold
I 1-16 inch	Per doz.,	\$17 00	\$20 00
I 1-8 "	"	18 50	22 00
I 1-4 "	"	21 00	25 00
I 3-8 "	"	24 00	28 00

# SPRING BAR BOLTS.

No. 292.



ALORN HEAD.

		Silver	Gold.
1-4 inch diameter .....	Per doz.,	\$1 00	\$1 50
5-16 " " .....	"	1 12½	1 62½

No. 293.

CONE HEAD.

		Silver	Gold.
1-4 inch diameter .....	Per doz.,	\$1 00	\$1 50
5-16 " " .....	"	1 12½	1 62½

No. 294.

STEEPLE HEAD.

		Silver	Gold.
1-4 inch diameter .....	Per doz.,	\$1 00	\$1 50
5-16 " " .....	"	1 12½	1 62½

# GLASS FRAME PLATES.

No. 291.

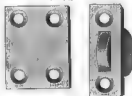


		Silver	Gold.
Small....1¼ inch long, 3 holes.....	Per doz.,	\$1 10	\$1 75
Medium, 2½ " " 4 " .....	"	1 50	2 00
Large....3 " " 4 " .....	"	1 75	2 25

Countersunk for No. 5 Screws."

# Landau Door Rollers and Plates.

No. 296.



Brass, to paint .....	Per set, \$1 75
-----------------------	-----------------

A set consists of four pieces each.

## LONG POD POLE CRAB.

Extreme Length, 9 3-4 Inches.



Silver, 1 9-16 diameter...	close plated...	Each \$1 25
Gold, 1 9-16		8 50

## SHORT ARM POLE CRAB.



Silver 1 1/2 diameter	close plated	Each \$1 50
Gold, 1 3/4		1 75

This size would answer for all poles, as the pod is very short

## Wood's Patent Landau Flapper.



This Improved Landau Flapper is used by the fine coach makers and is made strong in the cars, a feature not in other makes, and well fitted

Price . . . . . Per set, \$3 00

## COACH CRABS.

No. 302.

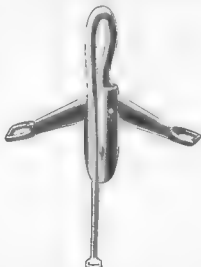


Silver, $1\frac{1}{4}$ , $1\frac{3}{8}$ , $1\frac{1}{2}$ diameter, close plated	...	Each, \$3 00
Silver, $1\frac{1}{4}$ diameter	..	3 50
Gold, $1\frac{1}{4}$ , $1\frac{3}{8}$ , $1\frac{1}{2}$ diameter	..	5 00
Gold, $1\frac{1}{4}$ diameter	..	5 50

We furnish above Crabs with Round Eyes instead of those shown in cat.

## COACH CRAB WITH HOOK.

No. 303.



Silver, $1\frac{1}{2}$ diameter, loose hook, close plated	... Each	\$6 00
Gold, $1\frac{1}{2}$ ..	..	9 00
Silver, with Hook brazed in ..	..	11 00
Gold, ..	..	14 00

## PLATED COACH KNOBS.

Hexagon Base Screw.



Ventilating Knob.



No. 175 Drive.



The above are Brass Knobs, plated in the best manner.

Hexagon Base Screw, Silver, or Nickel, $\frac{3}{4}$ Screw	Per gross, \$6 00
Ventilating Knob	8 25
No. 175 Drive	3 50

## SASH FASTENER, WITH PLATE.



A



The Washer is screwed on the Frame, and the Screw A, being turned against it, the Screw is centered by hole in Washer, and prevents the Cloth on Frame being torn and disfigured.

Silver.....	Per pair, \$1 50
-------------	------------------



## SILVER MOULDING FINISHERS.

Oval.



Angle.



1-4 and 5-16...	Per doz., \$4 50
3-8 .....	" 4 50
7-16 .....	" 4 50
1-2 .....	" 4 50

See prices of Oval and Angle Moulding on page 79.

## WATER TUBES.



The above are used in the bottom of carriages and intended to protect the edges of the hole in the wood, made to let out the water after the carriage is washed.

Per gross . . . . . \$4 00

## Improved Brewster Curtain Fasteners.

Patented.



No. 1.  
Fastener for Wood  
Work.



No. 2.  
Fastener for Book  
Leather Quarter.



No. 1.  
Double Curtain.

69

EXTRA QUALITY.

SOLE MANUFACTURERS OF THE ABOVE.

These fasteners are the only ones acknowledged by the fine trade to be advantageous in use. We take a spring and washer underneath which prevents the curtain from turning and allowing the curtain to slip off. We have recently made the No. 1 in 'Double Curtain' size.

For Painting, No. 1 and No. 2	Per doz., \$1 25
Silver and Nickel, No. 1 and No. 2	" 1 50
Gold No. 1 and No. 2	" 1 75
Double Curtain, No. 1, to Paint	" 1 40
" " No. 1 Silver or Nickel	" 1 75
" " No. 1 Gold	" 2 00

# ENGLISH LANDAU NUTS.

No. 304.



NEW DESIGN

1½ diameter, Silver...	Per doz.,	\$6 00
1½ " Gold	"	7 50

# HEXAGON NUT, FOR BUGGY.

No. 305.



Silver 1 inch diameter	Per gross,	\$26 00
Gold, 1 " "	"	30 00

# COACH GONG 'BELL.



3 Inch..	Per doz ,	\$ 8 00
4 " "	"	10 00
5 " "	"	14 00

This bell does not get out of order and works easily

## LANDAU CARRIAGE TOP LOCK.

Brewster Pattern.



Since this Landau Top Lock was first introduced to the trade, it has been acknowledged by prominent builders in New Haven, New York and other cities as the most durable and best working lock on the market. The locks are made in pairs, and it is intended that the part in which bears the lever should be attached to the front part of the Landau Top, and the Catch to the back part, with the Arm of the Lever when the Lock is closed toward the front.

The Plates of the Locks are to be placed upon the Head Lining and Nuts in the Lever, else the Lock will not work so easily. This can be done by leaving sufficient space in the face for the Plates when the carriage is being trimmed.

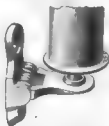
Due to the eccentric movement of the lever, it is capable of drawing the parts of the top together even though an opening of considerable width exists between them. All rattling is prevented by a spring which is placed between the nut and the bearing of the lever.

Packed one pair in a box.

Silver or Nickel ..... Per pair, \$2.50

## SPRING ROLLER SUPPORT.

Brewster Style.



This cut represents our new Spring Roller Support, as being strong and holding the end of the Roller when raised down. This support is most durable and easily adjusted and although but lately introduced to the market, it has acquired a high reputation among builders of Folding Top Carriages.

Silver or Nickel, one pair in a box.

Per pair \$1.00



## CROSS STRAP CENTERS.

No. 100.



EXAG'N.

Silver, or Ormolu  
Gold

Pair, \$1 00.  
" 0 75

No. 103.



PILATED

Silver, or Ormolu..... Each, \$1 75  
Gold..... " 1 00

## CROSS STRAP LOOPS.

No. 280.



No. 280--SCREW CROSS STRAP LOOP.

Silver or Ormolu  
Gold

Per pair, \$0 35  
" 0 45

No. 281 100 PART, WITH T SCREW.

Silver or Ormolu  
Gold

Per pair, \$0 35  
" 0 45

## CROSS STRAP CENTERS.

No. 104.



STAR.

Silver, or Oreide.	.....	Each, \$0 75
Gold	.....	" 1 00

No. 105.



CRESCENT.

Silver or Oreide	.....	Each, \$0 75
Gold	.....	" 1 00

No. 106.



BOSTON

Silver, or Oreide.,	.....	Each, \$0 75
Gold	.....	" 1 00

## CROSS STRAP CENTERS.

No. 111.



SHELL.

Silver, or Oreide . . . .  
 Gold . . . . .

Each, \$1 00  
 1 25

No. 112.



CROSS.

Silver, or Oreide . . . .  
 Gold . . . . .

Each, \$0 75  
 " 1 00

## HANDLE PLATES.

No. 125.



Silver, or Oreide  
 Gold . . . . .

... Per pair, \$0 30  
 " 0 40

No. 128.



DIAMOND PATTERN.

Silver or Oreide  
 Gold . . . . .

... Per pair, \$0 25  
 " 0 35



## CROSS STRAP CENTERS.

No. 110.



BRWASTER

Silver or Oreide...

..Each, \$1 50

Gold..

1 75

No. 92.



DIAMOND, WITH ROUND CENTER.

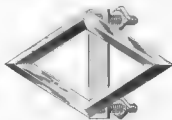
Silver, or Oreide..

.. Each, \$1 40

Gold

1 60

No. 93.



DIAMOND, PLAIN

Silver, or Oreide ..

..Each \$1 00

Gold. ....

1 20

## CROSS STRAP BUCKLES.

No. 250.

 $\frac{3}{4}$  INCH

Silver. . . . .	.....	Per doz., \$2 00
Gold. . . . .	.....	5 50

No. 252.

 $\frac{3}{4}$  INCH

Silver. . . . .	.....	Per doz., \$3 25
Gold. . . . .	.....	5 00

## CROSS STRAP BUCKLES.

No. 268.

 $\frac{3}{8}$  INCH.

Silver .....	.....	Per doz., \$1 50
Gold.....	.....	" 3 00

## CROSS STRAP BUCKLES.

No. 268.

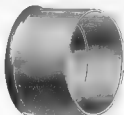
 $\frac{3}{8}$  INCH.

Si.ver. ....	.....	Per doz., 1 85
Gold .....	.....	" 3 50

## CARRIAGE BANDS.

Plain or Hinged.

BRASS, NO VER., ORNIDE OR GOLD.



## 1½ INCH DEEP.

12 to 24	28	2½	2½	3	3½	3½	3½	3½
\$1 65	1 70	1 75	1 80	1 85	1 95	2 05	2 15	2 25

## 2 INCH DEEP.

12 to 24	34	28	2½	3	3½	3½	3½	3½
\$2 10	2 15	2 20	2 25	2 30	2 45	2 60	2 75	2 90
36	3½	3½	4	4½	4½	4½	4½	inch.
\$3 15	3 40	3 05	3 90	4 15	4 40	4 05	4 90	per set.

## 2 INCH DEEP.

24 to 24	28	28	2½	3	3½	3½	3½	3½
\$2 85	2 95	3 05	3 15	3 25	3 50	3 75	4 00	4 25
36	3½	3½	4	4½	4½	4½	4½	inch.
\$4 65	5 05	5 45	5 85	6 25	6 65	7 05	7 45	per set.

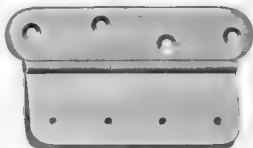
## 2½ INCH DEEP.

24 to 24	28	28	2½	3	3½	3½	3½	3½
\$3 90	4 00	4 15	4 25	4 7	4 15	4 60	5 05	5 30
36	3½	3½	4	4½	4½	4½	4½	inch.
\$5 70	6 10	6 50	6 90	7 30	7 70	8 10	8 50	per set.

## 2½ INCH DEEP.

24	28	28	2½	3	3½	3½	3½	3½
\$5 00	5 10	5 20	5 30	5 40	5 70	6 00	6 30	6 60
36	3½	3½	4	4½	4½	4½	4½	inch.
\$7 00	7 40	7 80	8 20	8 60	9 00	9 40	9 80	per set.

## Irving's Patent Glass Frame or Lace Plates



This article we believe to afford the "best possible" method of securely fastening the Lace to the glass frame.

Electro Silver.....per doz., \$2 50  
Including screws and rivets.

We can furnish all kinds of Trimmings for Carriages and Coaches, and will quote prices on the below named articles when requested

**BRASS METALLIC BACK STAYS,  
CHAISE AND LANDAU PROPS,  
GOAT SKINS,  
CURLED HAIR,  
FRINGES,  
MOSS,  
EXCELSIOR,  
&c., &c., &c.**

Carriage Makers "Paste" specially prepared for their use, will not mold like various Pastes in the market and is almost exclusively used by all our New Haven Trade.

Kegs, 55 lbs .....	Each. \$2.25
½ Bbls, 110 " .....	" 4.25
Bbls, 220 " .....	" 8.00

## CHILDREN'S CARRIAGES.



WE DEAL LARGELY IN THE ABOVE,  
AS WELL AS MANUFACTURE ALL THE  
TRIMMINGS FOR THE SAME.

*Our facilities in the way of an Exchange Trade with the  
Manufacturers of*

CARRIAGES,

*Enable us to furnish them at their prices.*

SEND FOR A CATALOGUE.

# TRIMMINGS FOR CHILDREN'S CARRIAGES.

Send for Special Catalogue.



# PUTZ-POMADE

Is Useful in the Household, in the Store, in the Workshop,

In every place where metal work is to be kept bright.

Try It for Show Cases, Andirons, Silverware, Harness Trimmings, Scales, Musical Instruments, Stove Trimmings, Door Handles,

AND ANY KIND OF METAL WORK.

SEE THAT YOU GET THE GENUINE.



TRADE MARK.

Notice particularly the Trade Mark on Every Box with the Directions in English on the Inside of the Cover.

Notice the HELMET, and the words

UNIVERSAL-METALL-PUTZ-POMADE.

None genuine without the name

**ADALBERT VOGT & CO.**

ON THE COVER.

Crowned with the first prizes at the Exhibitions in 1879, at Berlin ; in 1882, at Wels ; and at the International Exhibition in 1883, at Amsterdam.

Particularly adapted for Repository use. Lamps and Coach Trimmings can be readily cleaned, without scratching. We furnish nearly all the New Haven Carriage Makers, and the Scientific Department of "Yale College," where it is used on delicate and Scientific Instruments requiring cleaning, without any danger of being marred.

Small Boxes, $1\frac{1}{2}$ diameter $\frac{1}{8}$ thick.....	Per doz, \$1 00
Large " $2\frac{1}{2}$ " $\frac{3}{8}$ " .....	" 2 00
Pound Boxes,.....	Each 1 00

Small Boxes, 2 dozen in a package.

Large " 1 " " "

We will send as Sample 1 large box for 25c. Postage prepaid.

**C. COWLES & CO.,**

Manufacturers and Dealers in Carriage Hardware,  
NEW HAVEN, CONN.





THE STAFFORD PRINTING CO.,  
New Haven, Conn.